

*BULLETIN OF
ST. MICHAEL'S COLLEGE*

WINOOSKI, VERMONT

S M C
Archives



CATALOGUE ISSUE
1968 • 1969

Saint Michael's College Bulletins are published seven times yearly; once each in September, November, December, February, March, April and June by St. Michael's College, Winooski, Vermont 05404. Volume 64, No. 5, March 1968. Second-class postage paid at Burlington, Vermont 05401.



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1968-1969

St. Michael's College

Undergraduate Bulletin

College of Arts and Sciences



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CALENDAR

1968

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ACADEMIC CALENDAR

First Semester

1968

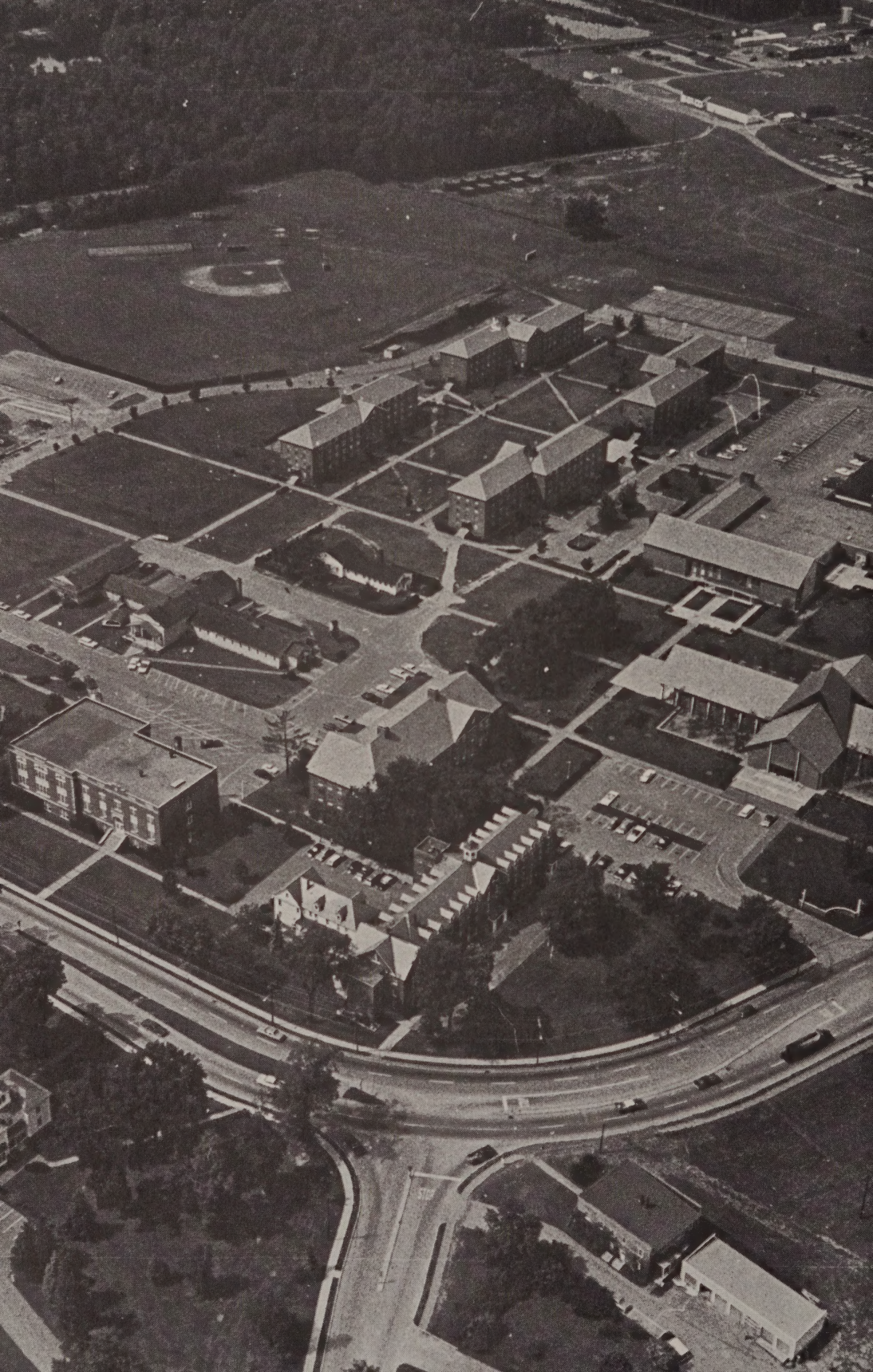
- Sept. 15-17 Freshman Orientation
18 Registration for upperclassmen. Classes for freshmen
19 Classes for upperclassmen
19 Mass of the Holy Spirit at 4:30 p.m.
27 Last day for changes in course programs
- Nov. 27 Thanksgiving recess begins at 11:30 a.m.
- Dec. 2 Classes resume at 8:30 a.m.
13 Christmas recess begins at 12:30 p.m.

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- Jan. 6 Classes resume at 8:30 a.m.
20-28 Final examinations
- Jan. 29-Feb. 3 Semester holiday

Second Semester

- Feb. 3 Classes resume at 8:30 a.m. Second semester begins
Registration for transfer students
14 Last day for changes in course programs
- April 2 Easter recess begins at 11:30 a.m.
14 Classes resume at 8:30 a.m.
25-26 Junior Weekend
- May 2-3 Comprehensive examinations for seniors
10-11 Parents Weekend
19-27 Final examinations
- June 8 Commencement
- June 23-August 1 Summer Session



General Information

SAINT MICHAEL'S COLLEGE was established in 1903 by the religious congregation of the Fathers of St. Edmund. Founded in France in 1843 for the purpose of supplementing the work of the secular clergy, particularly in regions where Jansenism had left strong influences, the Society was later assigned to educational work, taking over the direction of the College of the Immaculate Conception at Laval in 1879. Conditions in France toward the end of the 19th century made it expedient for the Fathers to seek a foothold in America and they first considered an establishment in the French-speaking province of Quebec, Canada. They were directed to Bishop DeGoesbriand of Burlington, who welcomed them for work among the French-Canadian emigrants of northern Vermont. His successor, Bishop Michaud, asked the Fathers to establish a college and procured for them the first plot of land and the first building in what has always been known as Winooski Park. Through the years the campus has expanded into a five-hundred-acre tract, ideally located between the Green Mountains to the east and Lake Champlain to the west. The college is in the suburbs of Winooski and Burlington and is easily accessible by plane, train, bus or car.

Following the pattern of the French *collège* familiar to the founders, the courses offered in the first years ranged from the junior high school through the junior college and, for some students, included instruction in philosophy. To conform to the educational organization usually found in the United States, however, a clear division was made in a few years between the high school department and the college department. In 1913 the college department was empowered to grant degrees by an act of the Vermont State Legislature. The growth of the college led to the discontinuance of the high school department, the last class graduating in 1931. The college enrollment increased slowly to a peak of 250 students before World War II. Following the war the expansion was more rapid and the enrollment now is 1,200 students.

The college program of studies, devised at the beginning by men steeped in the classical traditions of liberal education as practiced in France, was modified from time to time to meet the needs and requirements of a changing society, without however losing its firm grasp of educational essentials. Between 1950-52 an intensive study of the curriculum was made by the faculty. As a result of this self-study, an analysis of the changing pattern of mid-20th century culture (and an awareness of the changing pattern of student experiences), a dramatic revision of the curriculum was decided upon. The new program, known as the ST.

MICHAEL'S PLAN of studies, has already proved its effectiveness through the success of graduates since 1956. A revision of the curriculum was undertaken in 1964-66 and recommendations went into effect in the fall of 1967. While preserving the integrity of the previous plan of studies, the curriculum committee introduced more freedom of choice. Details of the plan are explained in the following section of this catalogue.

ACCREDITMENT AND AFFILIATIONS

Saint Michael's College is accredited by the New England Association of Colleges and Secondary Schools. Courses are approved by the Regents of the University of the State of New York. The college is affiliated with The Catholic University of America and is a member of the National Commission on Accrediting, of the American Association of Colleges, of the American Association of Colleges for Teacher Education, of the National Catholic Educational Association, of the National Conference of Church Related Colleges, and of the College Entrance Examination Board.

LIVING ACCOMMODATIONS

About 94 percent of the students are boarders. There are five residence halls on the campus, four of which have been built since 1950. They are four-story fireproof structures and each accommodates 200 students. An older brick building, Founders Hall, accommodates about 150. Most of the rooms are double rooms equipped with beds, mattresses, pillows, bureaus, desks, chairs, window shades, lights, and waste baskets. Students are required to furnish their own blankets, sheets, pillow cases, and anything additional deemed necessary to their personal comfort.

Students living on campus ordinarily take their meals in the college dining hall. Day students may make arrangements to take their noon meals on campus. The new dining hall is equipped to serve over 500 students at one sitting. The dining hall is contained in a million dollar student union building which opened in January, 1961.

CLASSROOMS AND LABORATORIES

Most of the classrooms are located in Jemery Hall, a brick building erected in 1924, and Aquinas Hall, a two-story wooden structure. Four classrooms and laboratories for biology, chemistry and physics are located in Cheray Science Hall. Built in 1949, it is a fireproof brick building, provided with the best of modern equipment and facilities. Large and numerous laboratories make it possible to assign an individual place to each student for courses in the sciences.

In the fall of 1967 one of the large brick structures at the North campus, the former Ethan Allen Air Force Base, was remodeled to hold the classrooms and offices of the Program in English for International Students and the Graduate Program.

LIBRARY

The Jeremiah K. Durick Library opened in the spring of 1968. It replaces the wooden structure which had been used since 1948. The new library is a circular structure of fireproof design, with space for 100,000 volumes. Carrels and tables will accommodate 750 students at one time. Special rooms allow meetings of small groups for viewing films, listening to records, or discussing special assignments. There are also a number of small rooms for the exclusive use of the faculty.

CHAPEL

The new college chapel was dedicated in the summer of 1965. The contemporary brick and concrete cruciform church is ideally suited for the celebration of the renewed liturgy. Approximately 1,000 students may be seated around the Altar of Sacrifice.

GYMNASIUM

The gymnasium and sports center is located at the North campus, adjacent to the college. Now in the possession of St. Michael's College, the new gymnasium contains two basketball courts and facilities for the intramural program.

OBSERVATORY

The Holcomb Observatory, named after its donor and builder, is a small brick building topped by a metal dome under which is housed a telescope carrying a 12-inch mirror. The telescope is so designed and electrically operated that it is suited to photographic study of the stars. The observatory was built in 1938 and is under the direction of the department of physics.

EXTRACURRICULAR ACTIVITIES

Extracurricular activities are an important part of college life and ample opportunities are provided for individual or collective participation. In sports St. Michael's College engages in intercollegiate competition in basketball, baseball, soccer, skiing, golf and tennis. The college is a member of the Eastern College Athletic Conference, the National Collegiate Athletic Association, and the New England College Athletic Conference.

For students who do not participate in varsity competition there are interclass leagues in football, basketball, tennis, softball, and skiing. In addition to interclass touch football, St. Michael's College engages in intercollegiate tackle football on the club basis. Initiated in 1966, the club is supported and run by the students themselves. Playing and administrative positions are open to all students. Those who prefer the personal and informal type of sports activities may use the same facilities as other students.

Special-interests clubs and societies provide other types of activities. Students who are interested in developing their writing skills are invited to join the staff of the college literary magazine, *The Quest*, or of the college newspaper, *The Michaelman*. The Debating Club recruits and trains students for intramural and intercollegiate competition. A playhouse on campus provides for the presentation of plays and concerts. The humanities department sponsors a studio-workshop in art for students who wish to paint or sculpt. The Radio Club maintains a studio and MARS station. The Biology, Chemistry, Modern Language, and Politics Clubs sponsor special projects, guest lecturers, and field trips to enrich the classroom experiences of their members. Students with musical ability are welcomed by the College Glee Club and the College Choir. The John Verret Chapter of the Knights of Columbus is established on the campus.

STUDENT FORUM

Planning, organizing, and coordinating student activities is one of the responsibilities of the Student Forum, whose members are elected by the student body. It is an important agency also in making the students aware of their responsibilities and one of its principle aims is to strive for closer rapport between the student body and the officers of administration. Under the direction of a moderator the Forum is allowed as much freedom of action as is consistent with good order. It has proved to be an important influence in the realization of the ideals of the college.

DISCIPLINARY REGULATIONS

The regulations affecting student life on the campus are determined in large part by student councils for each house. The STUDENT GUIDE contains all the rules that apply to the whole student body. Each student receives a copy of the guide and is responsible for knowing and observing all the rules. The purpose of disciplinary regulations is to provide the environment necessary to carry out the educational aims of the college. It is expected that a student will understand this and will exercise self-discipline, thereby training himself for the competent handling of problems in later life.

When a student's poor behavior becomes disruptive of good order, he may be suspended or expelled. Constant and unfounded criticism, habitual opposition to regulations which are for the common good, and similar attitudes may be reasons which make the student undesirable. He may then be asked to withdraw from school. In such a case an honorable dismissal is granted and the tuition fee is refunded in accordance with the policy explained on page 94. If a student is suspended or expelled, however, no remission of fees is made. Notification of expulsion for disciplinary reasons is placed upon the student's record.

Saint Michael's College is primarily a residence school. For this reason all students, except those whose parents live nearby and those who are married, are expected to live in the campus residence halls to the full extent of the availability of such accommodations. For out-of-town students permission to live off campus, when there is no longer room on campus, is an individual matter which must in all instances be taken up with the Dean of Men. Such permission, if given, may be withdrawn when residence facilities subsequently become available on the campus. Requests for such permission must be submitted before August 1 of any year.

Residences are closed during college vacation periods. If it is necessary for a student to occupy a room in a period when residences are closed, special permission must be obtained from the Dean of Men and a charge will be made.

The school is not responsible for loss of students' money or property in whatever manner.

Freshmen and students in the Program in English for International Students are not permitted to own or operate automobiles while in attendance at St. Michael's College. All other students are granted permission to have and operate automobiles provided: the car is registered with the Security office; proof is given of proper registration and personal liability insurance; written parental permission is obtained for those under 21 years of age.

FRESHMAN ORIENTATION

A few days are set aside at the beginning of each year for Freshman Orientation. During these days new students become acquainted with the campus, the faculty, their fellow students and their environment, before they plunge into the year's work. They also meet for orientation talks, discuss their programs with advisers, engage in social and athletic activities and register for the year. A special bulletin is issued at the end of the summer giving all the details of the Freshman Orientation program.

Day students as well as boarders may stay on the campus during this week.

SUMMER SESSION

The Graduate Division conducts a summer session every year. It is designed primarily to meet the needs for advanced education although some undergraduate courses are offered. Qualified students may be admitted at either level and credits are normally transferable to other institutions. The summer session is coeducational and a special bulletin is issued every spring describing courses offered and requirements for degrees.

AIR FORCE RESERVE OFFICER TRAINING CORPS

The United States Air Force established a unit of the AFROTC at St. Michael's College in the summer of 1951. The objectives of its program are to provide instruction on the functions of aerospace power in the defense of the United States and training in leadership techniques. Selected students receive commissions in the Air Force.

STUDENT PERSONNEL SERVICES

GUIDANCE

AN ADVISORY PROGRAM has been established at the college to make available to each student a service for his academic welfare. The relatively small size of the college makes it possible for each student to receive individual attention. Informal guidance is given by proctors who live in the dormitories and by the academic instructors. A faculty adviser assigned to each student periodically reviews his academic progress.

HEALTH SERVICES

The college infirmary is equipped to care for all ordinary student ailments and to offer such medical services as urinalysis, X-ray, blood counts, and physiotherapy. Twenty bed patients can be accommodated at the same time. A doctor is available at regular hours every day and a registered nurse is in full attendance for general duty. Serious cases of illness are transferred immediately to the Fanny Allen Hospital, located near the college.

PLACEMENT

The college maintains a placement office which disseminates information regarding graduate schools, postgraduate fellowships and scholarships, positions available in the educational field, and opportunities in

industry. Interviews between students and representatives of various industrial firms, government officials, and agents of school systems are arranged by the Director of Placement.

FINANCIAL AID

The college maintains a financial aid office for the benefit of students. Opportunities for scholarships, grants, loans, on-campus and off-campus part-time employment, et cetera, are described in the last chapter of this *Bulletin*.

RELIGIOUS AFFAIRS

The Director of Religious Affairs cooperates with dormitory rectors in providing spiritual guidance for individual students. He also serves as rector of the chapel and coordinator of campus liturgical functions.

HONOR SOCIETIES

Chapters of the following national honor societies are established on the campus: the Alpha Nu Chapter of Delta Epsilon Sigma, a national honor society devoted exclusively to the recognition and encouragement of high scholastic promise among graduates of Catholic liberal arts colleges; the Alpha Chapter of Alpha Epsilon Delta, the Pre-medical National Honor Society; the Gamma Alpha Chapter of Kappa Phi Kappa, the National Professional Education Society; the St. Michael's College Chapter of Phi Eta Sigma, National Freshman Honor Society.

PROGRAM OF TEACHER PREPARATION

The education of future teachers is considered to be an important purpose of St. Michael's College. In pursuance of that end the prospective teacher must fulfill all the requirements of a liberal arts concentration program in his subject matter field.

The teacher candidate qualifies for matriculation into the Teacher Preparation Program at the end of his sophomore year. Qualifications for matriculation are defined on page 64. The matriculated candidate continues his concentration program already under way and takes professional education courses as electives in his junior and senior years. He graduates with an A.B. degree.

A fifth-year program provides the opportunity to the teacher candidate to fulfill requirements for certification and to work for his master's degree. The fifth year may be taken as a full scholastic program, or within the framework of Saturday classes and summer sessions at the college.

Full N.D.E.A. loan grants are made to matriculated teacher candidates.

PROGRAM IN ENGLISH FOR INTERNATIONAL STUDENTS

Since 1954 the college has conducted a program to meet the needs of students from foreign countries who need training in the English language before they undertake regular courses of study in the United States. The teaching is concentrated in sixteen week sessions during which the student takes only English courses. Under the supervision of the college English Department specially trained instructors hold three formal classes a day for groups which do not exceed ten students. In addition to the classroom work the student also spends one hour each day in the language laboratory. The laboratory experience is integrated with the classroom work to supplement class instruction especially in aural comprehension, pronunciation, intonation, and conversation. Although intended specifically for international students preparing to enter American colleges or universities, the Program is open also to men and women whose objective is to learn English for business or other reasons.

THIRD YEAR ABROAD

A program of study abroad during the student's junior year in college is incorporated with established programs of other colleges and universities. The Vice President for Academic Affairs, Associate Dean and Concentration Adviser participate in the direction of each student who studies abroad. A quality point average of 3.0 for the first two college years is a prerequisite for participation in the program.

ADDITIONAL INFORMATION

The following pages will give detailed explanations of:

The plan of studies leading to the degree of Bachelor of Arts, pages 16 to 21.

The terms of admission and the academic regulations, pages 23 to 32.

The degree programs and course descriptions, pages 34 to 90.

The fees and the regulations concerning them, pages 91 to 94.

The register of the college personnel and students, pages 100 to 112.

St. Michael's Plan of Studies

EDUCATIONAL AIMS

SAINT MICHAEL'S COLLEGE is a college of liberal arts and sciences and the education it proposes to offer is liberal education. This is a much misunderstood concept and needs some explanation.

Liberal education is primarily directed to the development of the mind. According to Newman and others, the specific work of the college of liberal arts and sciences is to open the student's mind to the whole realm of truth, to enlighten and strengthen his reason, and to develop as fully as possible his powers to think. Nothing should be allowed to detract from this essential aim.

Education as a process of growth is not complete, however, and is ineffective unless mental development is accompanied by the development of virtue and good character. In striving for the development of virtue and good character in the students the college is carrying on the highest traditions of liberal education. True liberal education has always sought the formation not only of the intelligent man, but of the good man.

The college also believes that liberal education has never been and should not be divorced from the practical needs of life. The "ivory tower" concept of education for leisure is not realistic in twentieth century America. College students, with few exceptions, are concerned with the practical value of the degrees for which they are striving. They may be vague about the field of gainful occupation which they will enter after they graduate, but they clearly anticipate that the degree will open doors of opportunity which otherwise would be closed to them. While this aim is legitimate, there is danger that it may become dominant. In their eagerness to become vocationally competent, students are inclined to take the view that the shortest path is the best. They tend to become restless under the disciplines which are called "humanistic", because they seem to have no practical application. For such students liberal education is meaningless.

Students, however, who are capable of taking a long-range view, will discern that technical competence, highly desirable in itself, is not sufficient for a full life. They will understand that sound vocational education should be based upon broad foundations of knowledge. They will see that specialized training for specific occupations is made easier, quicker, more lasting, and more productive when intellectual capacities themselves have been carefully developed. The liberal arts and sciences tend to make students resourceful, alert, responsive to varying demands,

capable of analyzing and judging situations quickly and accurately, of understanding factors in human relations, of planning and organizing. All these qualities are needed not only in the practice of medicine, law, engineering, business, but in the contribution which every citizen is expected to make to the political life of a democracy.

The educational aims of St. Michael's College may then be summarized as follows:

1. to help the student develop his mind as fully as possible;
2. to foster the development of virtue and good character in the student;
3. to prepare the student for his life's work and to advise him on his vocational studies.

PLAN OF STUDIES

After a long and thorough study the faculty adopted a reorganized program of studies in May, 1952. All degrees except the Bachelor of Arts were discarded. The new program, which became effective in the fall of 1953, attempted to solve some of the problems which had been raised with regard to college education. These problems could be reduced to one general indictment: the course of studies lacked integration. A student could acquire a degree by successfully passing a number of courses which might or might not have any relation to each other. There was generally too much freedom in the choice of courses, which often led to specialization on the undergraduate level. This in turn promoted that narrowness of view which is the very antithesis of liberal education.

If college education is to be a harmonious experience in intellectual and moral growth, it must be integrated. This can be achieved only by:

1. a faculty with a common philosophy of man and a well-defined common goal;
2. a curriculum in which all courses are arranged in an order of mutual relationships and directed to a common aim;
3. the elimination of obstacles to the realization of the common aim and the introduction of positive means to achieve it;
4. the use of a principle of integration or unification, which seems very difficult to find outside of Christian philosophy and theology.

What should be the intellectual equipment of the well-educated man of the twentieth century? Certainly he ought to possess a good knowledge of the culture from which he has sprung and to have the ability to compare it with others with which it is in contact. He ought to have an insight into the development and impact upon the modern world of the mathematical and physical sciences. To live as a responsible citizen in a democracy, he should have a clear grasp of economic, social and political principles and problems. Endowed with a mind which seeks ultimate

truth and a will which pursues ultimate good, he should be familiar with philosophy and theology and the insights they propose to the problems and ills of the world. He ought to have an appreciation of the beautiful. He ought to be trained in the pursuit of knowledge through his own efforts and in the ability to integrate newly acquired knowledge with what he already possesses. He should be a man of principles, aware of the complexities of the world in which he is living, equipped to take his rightful place in that world, to judge it and to influence it.

The plan of studies at St. Michael's College is designed to meet these requirements and to achieve the aims which have already been explained.

In 1964 a committee of the faculty was appointed to restudy the curriculum. After many interviews and discussions with members of the faculty, the committee submitted its report in February, 1966. It was then critically examined by the faculty and adopted by vote in June, 1966.

While retaining many features of the curriculum devised in 1952, the committee reduced the hours previously devoted to the core curriculum, so as to allow more elective hours in the last two years of the program.

Among the most important features of the curriculum, retained by the committee, are the following: a) a cooperative presentation of science to all students by the departments of biology, chemistry and physics; b) a sequence in the "great books" approach to humanistic studies; c) a basic series of courses in philosophy and theology; d) a basic course in social science; e) the program of concentration, consisting of at least five full-year courses in one field; f) as part of the concentration, a seminar in the senior year, in which small groups of students learn the elements of research and organization of data, discuss problems, and report on prescribed readings; and g) a comprehensive examination in the concentration at the end of the senior year.

CHOICE OF CONCENTRATION

Although the freshman year is considered as a transitional and foundational year, every student must tentatively choose an area in which he will concentrate. There are three areas which affect the courses of the first year:

1. Mathematics and the sciences.
2. Humanities and the social sciences.
3. Business administration.

The choice should be motivated by proved ability as well as by the particular appeal of a certain field. At the end of the freshman year,

during the period of preregistration, every student must make his choice of concentration definite. Most of the concentrations begin in the second or sophomore year with one or two courses. The foundations for the concentrations in mathematics, biology and chemistry are laid, however, in the freshman year.

Although the aims and requirements of each concentration are explained in more detail further on, a few words about each one here may help the entering student to make a good choice.

The concentration in BIOLOGY offers excellent preparation for the study of medicine, dentistry, public health or graduate work in the biological sciences. In addition to courses in biology proper, the concentrator is required to take a number of courses in physics and chemistry. He should not attempt this concentration unless he has been successful in mathematics (including trigonometry) and science in high school.

The concentration in BUSINESS ADMINISTRATION is somewhat unique at St. Michael's College because it is thoroughly liberal in outlook and organization. The main purpose is to develop men who will eventually be capable of assuming executive responsibility in business. Thus the emphasis is on the long-range objectives of administration and leadership rather than on highly specialized skills. Such techniques as are taught (*e.g.*, accounting) are presented to give the student a better understanding of the situations which may confront him after graduation. A second benefit is that such tools will help him to rise faster in the business world and hence to apply his Christian teachings on a higher executive level, where they will have a more far-reaching effect.

The concentration in CHEMISTRY is rigorous and should be attempted only by students who have good aptitude and facility in mathematics. All kinds of opportunities in teaching, research, and industry are open to students who graduate as concentrators in chemistry. It is also an excellent preparation for medical school.

The concentration in ECONOMICS trains the student to understand, and evaluate in the light of principles, the basic social relations (unions, corporations, government, et cetera) which so powerfully affect our working lives and pay. Some knowledge of economics is essential to every citizen but especially to those going into business, government, law, or labor relations. Many pre-professional examinations in science and medicine require students to know the fundamental notions of economics.

For the student who is attracted to the teaching profession on the secondary school level the five-year TEACHER EDUCATION program is advised. The basic format of the five-year program is: concentration in subject field during undergraduate years, leading to the A.B. degree at the

end of the fourth year; electives in education during the third and fourth years; a fifth-year program comprising a full scholastic year and two summer sessions, with teaching laboratory experience, leading to a Master of Arts in Teaching degree.

The concentration in ENGLISH is for students who wish ultimately to specialize in English and American literature in preparation for college teaching and research; for students interested in careers in journalism, radio, television, and public relations; for students seeking a good general background before they enter business, law, or high school teaching; and for students interested in literary training for its own sake or as the basis of a broadly humanistic culture.

The concentration in HISTORY is a good preparation for law, foreign service, government administration, graduate study, teaching, journalism and public affairs. The concentrator is free to choose his two seminars either in American History or in one of the areas of European History.

The department of history supervises another concentration in AMERICAN STUDIES, which allows the student to investigate the various factors—historical, social, political, economic and intellectual—which have shaped American civilization. Several other departments contribute to this concentration by offering courses. This concentration is good preparation for teaching, diplomatic work, public affairs, law, graduate studies, and journalism.

A concentration in LATIN is offered for students who have a good high school background and desire to study Classical literature in preparation for teaching, the priesthood, or research.

The concentration in MATHEMATICS is for students who have a genuine interest and ability in the field. The objectives are to acquaint the student with the historical and cultural aspects of mathematics and to give him a sufficiently broad background in theory and practice that he may be prepared to pursue mathematics as an end in itself (in research, teaching, et cetera) or to use it to establish a career in industry, business, government agencies, insurance, statistical or computing laboratories, actuarial work, et cetera.

The department of MODERN LANGUAGES offers a concentration in French in addition to courses in German, Russian and Spanish. Opportunities for men who have a good command of a foreign language are numerous not only in the field of teaching, but in the diplomatic service, and in business. The use of laboratory techniques and equipment in recent years has facilitated the acquisition of basic skills and created greater interest in this concentration.

The concentration in PHILOSOPHY is an attractive program for those students who desire a true liberal education. It offers insights into the fundamentals of human thoughts and attitudes; it brings to a focus the whole of the college curriculum such that the student may understand the meaning of all the college offerings as interrelated one to the other and to the meaning of life. It is highly acceptable as a preparation for graduate study and professional life in many fields including law, journalism, business, literature, history and teaching. It is also a good preparation for those interested in theology or for those who intend to pursue philosophy at graduate level.

The concentration in POLITICAL SCIENCE has for its object the preparation of college men for active life as citizens in a democracy, whether as public servants, elected officials, or enlightened voters. It is an excellent preparation for the study of law or various careers which demand a knowledge of politics and international relations (*e.g.*, reporting, consultation, et cetera).

The concentration in SOCIOLOGY attempts to provide such knowledge of social phenomena as can be obtained by the use of empirical methods. It is designed to prepare the student for graduate work in sociology and related fields.

SUMMARY

In summary, the four-year program of studies at St. Michael's College consists of:

1. a number of courses required of all students;
2. a number of courses prerequisite to certain concentrations;
3. a number of courses in the concentration elected by the student;
4. a number of elective courses.

The detailed program of courses for each concentration is given in the section entitled *Degree Programs*. All concentrations lead to the degree of Bachelor of Arts, which is the only undergraduate degree conferred by the college.

PRE-PROFESSIONAL PROGRAMS

PRE-MEDICAL and PRE-DENTAL students should concentrate in Biology or Chemistry, since these concentrations meet all the requirements of medical and dental schools. Candidates are not usually admitted to medical or dental schools until they have completed their baccalaureate studies.

Law schools ordinarily do not prescribe specific courses as preparation for admission. PRE-LEGAL students are advised to choose as their

field of concentration any of the following: English, History, Government, Economics, Philosophy, Sociology, Business Administration, or American Studies.

Students preparing for the priesthood should choose concentrations in Philosophy or the Classics, or a sufficient number of courses in these fields to ensure adequate preparation for admission to a major seminary.

SEMINARY STUDIES

The undergraduate division of St. Edmund's Seminary is a part of St. Michael's College. The Seminary is a training school for members of the Society of St. Edmund and its four-year college division program of studies is administered by the Dean of the College.





Admission and Academic Regulations

APPLICATION

APPPLICATION FOR ADMISSION must be on a form provided by the college. This form and a copy of the current bulletin may be secured by writing to the Director of Admissions.

All applicants should submit a completed application form as early as possible after the first quarter grades have been recorded in their senior year. It is required that a student receive the recommendation of his principal or guidance counselor and that he submit a copy of his scores obtained on the College Entrance Board Scholastic Aptitude and Achievement Tests.

Achievement Tests are required in English, Modern Foreign Language, and a test in the chosen field of concentration, if available; if not available, a test at the student's option.

Test dates appropriate to admission in 1968 are:

May 4, 1968

July 13, 1968

For admission in 1969:

November 2, 1968

March 1, 1969

December 7, 1968

May 3, 1969

January 11, 1969

July 12, 1969

Application for the College Board Tests should be made through the high school principal at least a month in advance of the test date.

Students who wish to transfer to St. Michael's College from some other college must submit, in addition to the above, a transcript of their scholastic record in the college(s) already attended and a letter from the Dean of Men or other responsible official attesting to their good character.

All documents from other institutions submitted in support of an application should be forwarded directly to the Director of Admissions from the institutions providing such documents. Records submitted by the students themselves or their parents are not considered official.

CAMPUS VISITS

Prospective students and their parents are cordially invited to visit the college, talk with college officials, and view the campus. Every year, especially during the late spring and summer seasons, hundreds combine

a pleasant trip through the Green Mountains with an opportunity to inspect college facilities and talk over the educational needs of their sons with administrative officers.

To insure that each guest party receives the attention the college as host likes to give, campus visitors are asked to notify the Director of Admissions a week in advance of the planned visit. College offices are open to all visitors Monday through Friday from 9:00 A.M. to 4:30 P.M. The telephone number at Burlington is: 802-864-7451, *Extension 233*. We regret that visitors cannot be interviewed on Saturday or on Sunday.

ADMISSION REQUIREMENTS

The admission policy of the college is governed by one criterion: reasonable assurance that the applicant possesses the ability and other qualifications necessary for success in the program of his choice. The Committee on Admissions seeks the young man of at least average high school preparation who has sincere intellectual interests together with the capacity and desire for intellectual growth.

Admission is immediately granted, if the applicant:

1. Presents at least fifteen college preparatory units, including four years of English, two years of mathematics, and two years of Latin or a modern foreign language.
2. Has attained the certificate grade of his school in the majority of these units.
3. Ranks in the upper half of his class.
4. Is recommended by his principal or guidance director.
5. Attains satisfactory results on the College Entrance Board Scholastic Aptitude and Achievement Tests.

If one or more of the above conditions is not fulfilled, the applicant may be admitted if the Admissions Committee is satisfied that he has sufficient ability and determination to succeed in a college program. In such cases a detailed letter from the principal or guidance director is of great value in helping the Admissions Committee reach a decision. The applicant may be required to present himself for a personal interview and may be requested to take additional tests.

Applicants who intend to follow a program in biology, chemistry, or mathematics or who intend to study medicine or dentistry, should have taken at least two years of science and three years of mathematics (including intermediate algebra and trigonometry) in high school. They should have achieved quality grades in each of these areas and have a high performance score in the Scholastic Aptitude and Achievement Tests.

Applicants who intend to prepare for admission to the seminary should have taken at least two years of Latin in high school. However, provision is made to start Latin studies at the college.

JUNIOR YEAR PROVISIONAL ADMISSION

High school juniors who have maintained very good grades during their first three years may be granted provisional admission to St. Michael's at the end of the junior year, provided they have taken the Scholastic Aptitude Test of the College Entrance Board before the end of the junior year and make plans to take the proper Achievement Tests during the senior year.

COLLEGE BOARD ADVANCED PLACEMENT PROGRAM

One of the central aims of the ST. MICHAEL'S PLAN of studies is to prevent wasteful overlapping or duplication of courses. St. Michael's therefore cordially invites applications from students who have taken College Board Advanced Placement Examinations. St. Michael's College will evaluate these examination results with the view of offering *both* college credit *and* advanced placement.

SPECIAL PROGRAM FOR GIFTED STUDENTS

Some able students may not have had the opportunity to take Advanced Placement Examinations described above. They may, however, still qualify for the opportunity of being admitted to St. Michael's College with advanced standing or of accelerating their college course. The program operates as follows: For an entering freshman to qualify he must:

1. Present minimum scores of 600 on each part of the Scholastic Aptitude Test.
2. Be recommended for this program by his high school principal or guidance officer.

He may then choose to be examined, during Freshman Week at the beginning of September, in any of the regular freshman subjects. The director of the program will make available an outline and reading list of any of the courses chosen. Having prepared for the examination during the summer and having passed it successfully, the entering freshman will be granted the credits for the course (or courses) and will be allowed to substitute an advanced course in its place. Students already in residence may elect to attempt to pass courses by examination, if they have maintained a quality point average of at least 3.0 and if they are recommended by their professors. They will prepare for these examinations by directed reading, consultation, and auditing of classes. It is conceivable that such students could complete their graduation requirements in less than four years. Even if this is not possible in particular cases, the program of studies can be enriched by the substitution of elective courses

for those passed by examination. A fee of \$50.00 will be charged for each examination administered under this program.

Students choosing to participate in this program must declare their intention of doing so by the beginning of the semester in which they expect to be examined. The final dates at which a student in session may declare his intention are: October 1 (for January examination), and February 15 (for May examination).

The College Level Examinations (CLEP) administered by the College Entrance Examination Board are also acceptable for advanced placement. Students unable to meet the conditions explained above may submit CLEP scores for evaluation and possible placement with advanced standing.

ADMISSION TO THE AIR FORCE ROTC PROGRAM

The AFROTC program is voluntary for all participants. Selection for membership is based upon academic standing, physical qualification, leadership potential and interest in the Air Force as a career.

ADMISSION TO ADVANCED STANDING FOR TRANSFER STUDENTS

Candidates from other accredited colleges may be accepted and given advanced standing, provided they meet all the entrance and promotion requirements of St. Michael's College and can present a certified statement of their previous college work, together with a letter indicating good academic standing and honorable dismissal.

Only those courses which correspond or are similar to courses offered at St. Michael's College and in which the student has earned a grade of C or better may be considered for transfer. Ordinarily, transfer credits are not given in excess of those given for similar courses at St. Michael's College. No higher standing is given than that to which transfer students were entitled in the college in which they were previously enrolled. Credits are considered for transfer only if a transcript of such credits is submitted by the applicant prior to his admission. Finally, a transfer student may be required to pass an examination to determine his fitness to enter a course already in progress.

A tentative evaluation of transferable credits is made and forwarded to the applicant prior to his admission. This evaluation lists the maximum number of credits which may be transferred. Acceptance of an offer of admission by the transfer student is regarded as acceptance also of the evaluation of credits for transfer. No further action may be requested at a later date.

No advanced standing credits are recorded by the college until the applicant has successfully completed one full year of work at St. Michael's College. Advanced standing is not given to any student who has been dismissed for poor scholarship by another college and who applies for admission to St. Michael's College.

Transfer students must pass at least the full senior year in residence and earn a minimum of thirty credits.

ADMISSION OF SPECIAL STUDENTS

A limited number of students who are not candidates for degrees may be permitted to enroll for certain courses for good reasons. Such students are given no class rating and are not eligible for academic honors. They are charged for courses they follow at the rate of \$31.00 per credit hour. To maintain the status of "special student" one must be enrolled for less than nine credits in one semester. Otherwise, he will be considered a full-time student.

DEGREE REQUIREMENTS

To earn the degree of Bachelor of Arts a student must:

1. fulfill the residence requirements;
2. complete all the requirements of one of the degree programs listed in the next section;
3. maintain a quality point average of at least 1.5 in all courses and 2.0 in the courses of his concentration;
4. complete successfully the comprehensive examination in his field of concentration.

RESIDENCE REQUIREMENTS

Four academic years are ordinarily required to earn the bachelor's degree. The nature of the program of studies at St. Michael's College makes it difficult to shorten this time by attendance at summer sessions. Students who transfer from another college must be in residence at least one full academic year immediately preceding their graduation and must earn a minimum of thirty credits.

REGISTRATION

Freshmen register for the courses of the first year during the Freshman Orientation period. Students in session must preregister for the following year in May. Failure to preregister within the time specified incurs an automatic fine of ten dollars (\$10.00). Formal registration takes place before the opening of classes in September.

The following policy will obtain and will be strictly adhered to with regard to registration:

1. The normal schedule of courses for every year is indicated in the section devoted to *Degree Programs* which follows. For freshmen and sophomores the normal load consists of five courses (plus ROTC for those enrolled) each semester. In the junior and senior years the normal load consists of five courses each semester. For students whose program is not regular (e.g., transfer students) the normal load is six or five depending upon their class status as determined by the number of credit hours which have been accepted for transfer.
2. One course may be added under the following conditions:
 - (a) Sophomores, juniors and seniors may carry a sixth course without charge, if their quality point average the previous year was 3.0 or better.
 - (b) Sophomores, juniors and seniors may carry a sixth course to make up a course failure, but they will pay a charge of \$17.00 per credit hour.
 - (c) In the junior and senior years Aerospace Studies 301-3 or 401-3 may be carried as a sixth course without charge.
3. In no case may a student enroll for more than six courses in any semester, unless he is accepted under the special program for gifted students. If he nevertheless has managed to become enrolled for more than six courses he will be removed from the additional course(s) when the fact is discovered.

COURSE CHANGES

The following policies and rules with regard to changes will be strictly adhered to:

1. Changes in concentrations, courses, or sections may be made without charge between the end of the preregistration period and the official registration day in September. Normally, no changes in concentration, course, or section will be permitted on and after registration day.
2. Changes in concentration and/or course may be requested for serious reasons only from the day of formal registration in September until September 30 (for second semester, until February 15). Such changes will be subject to the following fees: (a) change of concentration: \$15.00; (b) change of course or section, \$10.00.
3. A student may not change his concentration or add a new course to his schedule after the above dates.
4. A student may not withdraw from a course without the penalty of failure (WF on the transcript) after the last day of September for first semester courses, and after the fifteenth day of February for second semester courses. If withdrawal is not made on a change-of-course form, the record will carry a simple F for the course.
5. Requests for changes before the day of formal registration in September are made on a form addressed to the Associate Dean and describing exactly what change is to be made and the reasons for the change. Requests for a change on or after the day of formal registration must be made on a form provided by the Associate Dean's office.

6. No change is official until a properly completed form is approved by the Dean and filed in the Associate Dean's office.
7. Complete withdrawal from the college is not officially recognized until the student completes a withdrawal form. Hence, there can be no remission of fees until such a form is filed. Students who fail to notify the Associate Dean's office of their intention to withdraw from college will find on their permanent record the notation of F for all courses for which they registered and the date of withdrawal the last day of the semester.

CLASS ATTENDANCE

Students should understand that the main reason for attending college is to be guided in their learning activities by the teachers to whom they are assigned. This guidance takes place principally in the classroom and the laboratory. Every class and every laboratory is important and students are expected to be in attendance at every one. Only illness or a similarly good reason is a valid excuse for absence.

In absenting himself from classes or laboratories without proper reason the student deprives himself of the explanations, clarifications, and direction he would otherwise receive. But his absence can also cause disruption in work schedules, unless the instructor holds him strictly to account for the work assigned. All class absences are recorded and turned in to the Dean at the end of each marking period. Delinquent students may be penalized for excessive absences by a lowering of their grades at the discretion of the Dean, after consultation with their instructors. Students may also be forced to withdraw from courses and be given a grade of FA for excessive absences.

Absence from class immediately preceding or following any holiday, without valid excuse, may be penalized by a lowering of the final grade in the course in which the absence was incurred.

TESTS AND EXAMINATIONS

Frequent quizzes and tests are given throughout the year. A formal examination is given in semester courses at the end of each semester. Although the grade on final examinations is averaged with grades earned in class work it must be a passing grade to be counted at all. Students who fail to pass the final examination fail the course.

Makeup examinations are given to students who are legitimately absent from a scheduled final examination. Absence from a final examination should be reported to the Dean as soon as possible. If he considers the reasons for the absence valid he gives the student a permit for a makeup examination. The dates for makeup examinations are posted on the bulletin boards. Students who have secured a permit must file applica-

tion in the Associate Dean's office and pay a fee of \$5.00 for each makeup examination. Failure to file or failure to take the makeup examination within the next semester without good reason cancels the permit already received and a failing grade is recorded.

Students who have been suspended for disciplinary reasons over the period of examinations are not eligible for makeup examinations unless this was clearly provided for at the time the suspension was imposed. A failing grade is recorded for such courses as are incomplete.

GRADING SYSTEM

The permanent grade in each course is based upon class work and the final examination. Each department determines what weight is to be given to each.

Grades are reported and recorded by letters as follows: A indicates that the student is doing superior work. B indicates that the student is doing work which is above average. C is average. D is poor. F means failure. FA means failure due to excessive absences from class and is averaged as an F. I (for incomplete) means that assignments have not been completed; it is averaged as an F and becomes F if the student fails to complete assignments before the end of the next semester. X means absence from a final examination and remains on the record until the student completes the makeup examination; if he is not eligible for the makeup examination the X is changed to F. WD means that the student withdrew from the course without penalty. WF means that the student withdrew from a course with penalty. For purposes of striking an average, reports of I, X, and WF are counted as F. The general average, concentration average, and rank in class are computed on a quality point average. Quality points are determined by multiplying the number of semester hours for each course by the number of quality points assigned to the grade received. In this system $A = 4$; $B = 3$; $C = 2$; $D = 1$; $F = 0$. To arrive at the quality point average, the sum of the quality points received for all courses is divided by the number of semester hours attempted.

Grades and class absences are reported by instructors four times each year: in November, January, March and June. November and March grades are considered progress grades and do not appear on the permanent record. At these times only unsatisfactory grades are forwarded to parents or guardians. If parents receive no report in November or March it may be considered that their son is doing satisfactory work. A full grade report for all students is made in February and June. These are final grades in course and will appear on the permanent record.

ACADEMIC STANDING

To remain in good standing a student must pass every course and maintain a quality point average of at least 1.5 each semester.

If at the end of the first semester of any year (*i.e.*, in January) the student's average is below 1.5 he is placed *on probation* until June. Failure to raise his average to the required minimum during this period ordinarily results in dismissal for poor scholarship.

If the student's general average is satisfactory at the end of the first semester, but is below 1.5 at the end of the year he may be allowed to continue the following year *on probation*, if the Academic Board of Review believes there is firm hope of success. Otherwise he may be dismissed for poor scholarship. In some instances, continuance the following year may depend upon successful completion of specified courses during the summer session.

If a student fails to obtain satisfactory grades after two successive semesters on probation he is dismissed. Only in rare instances and for very good reasons would he be allowed to continue.

A *warning* may be issued at any marking period to students whose academic work is not satisfactory for any reason whatsoever. This might be the case, for example, when a student obtains a quality point average of 1.5, but has failed a course. The purpose of the *warning* is to alert the student to the danger of greater difficulties unless he rectifies the condition.

Students who earn B grade or better in all courses, at the end of any semester are honored by citation on the Dean's Honor List.

COURSE FAILURES

Students who have received a grade of F in any course must ordinarily repeat the course successfully. Only under unusual circumstances and upon the recommendation of the instructor is another examination in a course permitted. Failures must also ordinarily be made up at St. Michael's College, either during the summer session or the regular year. Permission from the Dean is required to make up a course at another college during the summer. This permission is seldom given for courses in the student's field of concentration.

GRADUATION

At the end of his junior year each student is given a check list on which appear all the courses he has completed and the courses which remain to be completed for graduation. It also contains his general cumulative average and the average earned to date in his field of concentra-

tion. It is the student's responsibility to make certain he registers for the proper courses during his senior year. Consultation with his adviser and, if necessary, with the Dean is urged when there is uncertainty in the matter.

To graduate the student must have completed all course requirements, have a quality point average of 1.5, an average of 2.0 in the courses in his field of concentration, and a passing grade in the Comprehensive Examination.

Honors are awarded at graduation as follows: a quality point average of 3.0 merits the citation *cum laude*; a quality point average of 3.5 merits the citation *magna cum laude*; and a quality point average of 3.85 merits the citation *summa cum laude*.

TRANSCRIPTS AND LETTERS OF RECOMMENDATION

Requests for transcripts of a student's record or for recommendations cannot be honored during the period of semester or final examinations and the first few days of a new semester. They cannot be prepared during these periods. At other times such requests are honored promptly, provided the student's accounts with the college have been completely satisfied. The handling of such requests will be expedited if the fee of one dollar (\$1.00), charged for every transcript after the first one, is enclosed with the request.

Letters of recommendation on behalf of students are issued either by a Recommendations Committee or by individual instructors. In general, students having a quality point average of 3.0 or higher may be assured of a favorable recommendation. Students who have a quality point average of less than 3.0 may or may not receive a favorable recommendation, depending upon the purpose of the recommendation.

CHANGE OF REGULATION

The college reserves the right to make modifications in the degree requirements, courses, schedules, calendar, regulations, fees and charges deemed necessary or conducive to the efficient operation of the college. Such changes become effective from the date they are published in the college bulletins.



DEGREE PROGRAMS AND REQUIREMENTS

Degree Requirements

All candidates for the Bachelor of Arts degree must satisfy the following requirements, normally by attaining a passing grade in appropriate courses and exceptionally by a qualifying examination:

- | | |
|---|---------|
| a) English | 6 cr |
| b) Humanities | 12 cr |
| c) Social Science | 6 cr |
| d) Two sequences in philosophy and theology
of two years each | 24 cr |
| e) A General Science | 6-8 cr |
| f) Modern Foreign Language | |
| With the exception of MATHEMATICS, CHEM-
ISTRY, and BIOLOGY concentrators each can-
didate is required to demonstrate a two year
college level of achievement in the foreign
language of his choice. This may be done
by passing a proficiency examination or by
satisfactorily completing a second year
course. | |
| | 6-12 cr |
| g) Concentration courses prescribed | |
| h) Electives | |
| i) Comprehensive Examination | |

For graduation a candidate must have completed successfully not less than forty semester courses with a minimum of 120 credit hours.

Degree Programs

FOR THE CONVENIENCE of students and their advisers a schematic listing of the courses for each year in the various concentrations is given in the next few pages. The programs so listed are applicable to students entering in 1968/69. Frequent reference should be made to these outlines and to the section in which all the courses are described (page 49).

The degree programs are listed in the following order:

American Studies	Page 36
Biology	37
Business Administration	38
Chemistry	39
Economics	40
English Literature	41
French Literature	42
History	43
Latin	44
Mathematics	45
Philosophy	46
Political Science	47
Sociology	48

For registration purposes an exact list of the courses offered, with section letters, hours and place of meeting, and names of instructors, is supplied to the student and to his advisers.

AMERICAN STUDIES CONCENTRATION

Please refer to page 73 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
History 201-203 (<i>Growth of the American Nation</i>)	3	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
American Studies 310 (<i>Directed Reading in American Intellectual History</i>)	3	3
American Studies electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
American Studies 410 (<i>Seminar in American Studies</i>)	3	3
American Studies electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

BIOLOGY CONCENTRATION

Please refer to page 52 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Physics 101-103 (<i>General Physics</i>)	4	4
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Chemistry 101-103 (<i>Introduction to Chemistry</i>)	4	4
Mathematics 101-103 (<i>Analytic Geometry and Calculus I</i>)	3	3

SECOND YEAR		
Biology 201-203 (<i>Advanced General Biology</i>)	4	4
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Chemistry 301-303 (<i>Organic Chemistry</i>)	4	4
Theology 301-303 (<i>Sacred Scripture</i>)	3	3

THIRD YEAR		
Modern Language or Social Science (<i>see pages 49 and 77</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Biology 301 (<i>Cell Biochemistry</i>)	4	...
Biology 303 (<i>Microbiology</i>)	4	...
Biology 305 (<i>Physiology</i>)	...	4
Biology 307 (<i>Vertebrate Biology</i>)	...	4
Electives* (<i>see page 49</i>)	3	3

FOURTH YEAR		
Modern Language or Social Science (<i>see pages 49 and 77</i>)	3	3
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Biology 401-403 (<i>Genetics</i>) or	4	4
Chemistry 201-203 (<i>Physical Chemistry</i>)	5	5
Biology 410 (<i>Coordinating Seminar in Biology</i>)	2	2
Electives* (<i>see page 49</i>)	3	3
Comprehensive Examination		

BUSINESS ADMINISTRATION CONCENTRATION

Please refer to page 58 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Economics 101-103 (<i>Principles of Economics</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
Business 201-203 (<i>Introductory Accounting</i>)	3	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Business 307-309 (<i>Statistics</i>)	3	3
Business 315-317 (<i>Financial Policies of Corporations</i>)	3	3
Business 303 (<i>Industrial Management</i>)	3	...
Business 305 (<i>Marketing</i>)	...	3
Electives* (<i>see page 49</i>)	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Business 403-405 (<i>Business Law</i>)	3	3
Business 410 (<i>Seminar in Industrial Problems</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

CHEMISTRY CONCENTRATION

Please refer to page 53 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Physics 105-107 (<i>General Physics</i>)	4	4
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Chemistry 101-103 (<i>Introduction to Chemistry</i>)	4	4
Mathematics 105-107 (<i>Analytic Geometry and Calculus I</i>)	3	3
SECOND YEAR		
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Mathematics 201-203 (<i>Analytic Geometry and Calculus II</i>)	3	3
Chemistry 201-203 (<i>Physical Chemistry</i>)	5	5
THIRD YEAR		
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Chemistry 301-303 (<i>Organic Chemistry</i>)	5	5
Chemistry 305 (<i>Inorganic Chemistry</i>)	3	...
Chemistry 307 (<i>Instrumental Analysis</i>)	...	5
Modern Language or Social Science (<i>see pages 49 and 77</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Chemistry 401 (<i>Advanced Organic Chemistry</i>)	4	...
Chemistry 403 (<i>Physical Organic Chemistry</i>)	...	4
Chemistry 410a (<i>Special Topics in Physical Chemistry</i>)	4	...
Chemistry 410b (<i>Special Topics in Advanced Inorganic Chemistry</i>)	...	4
Modern Language or Social Science (<i>see pages 49 and 77</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Comprehensive Examination		

ECONOMICS CONCENTRATION

Please refer to page 58 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
Economics 101-103 (<i>Principles of Economics</i>)	3	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Economics 301 (<i>History of Economic Thought</i>)	3	...
Economics 303 (<i>Economic History of the United States</i>)		3
Economics 310 (<i>Directed Reading in Economics</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Economics 401 (<i>Money and Banking</i>)	3	...
Economics 403 (<i>Public Finance and Taxation</i>)	...	3
Economics 410 (<i>Coordinating Seminar in Economics</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

ENGLISH LITERATURE CONCENTRATION

Please refer to page 65 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
English 201-203 (<i>Directed Reading in English Literature I</i>)	3	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
English 301-303 (<i>Chaucer and Shakespeare</i>)	3	3
English 310 (<i>Directed Reading in English Literature II</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
English 401-403 (<i>American Literature</i>)	3	3
English 410 (<i>Senior Seminar in English</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

FRENCH LITERATURE CONCENTRATION

Please refer to page 77 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
French 207-209 (<i>Survey of French Literature</i>)	3	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
French 301 (<i>French Tragedy of the 17th Century</i>)	3	...
French 303 (<i>French Comedy of the 17th Century</i>)	...	3
French 310 (<i>Directed Reading in French Literature</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
French 401 (<i>French Poetry of the 19th Century</i>)	3	...
French 403 (<i>French Prose of the 19th Century</i>)	...	3
French 410 (<i>20th Century French Seminar</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3

Comprehensive Examination

HISTORY CONCENTRATION

Please refer to page 70 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
History 201-203 (<i>Growth of the American Nation</i>)	3	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
History 310 (<i>Directed Reading in History</i>)	3	3
History electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
History 410 (<i>Coordinating Seminar in History</i>)	3	3
History electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

LATIN CONCENTRATION

Please refer to page 55 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Latin 105-107 (<i>Intermediate Latin</i>)	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language or Greek (<i>see pages 77 and 56</i>)	3	3
Latin 201 (<i>Roman Historians</i>)	3	...
Latin 203 (<i>Roman Lyric Poetry</i>)	...	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language or Greek (<i>see pages 77 and 56</i>)	3	3
Latin 301 (<i>Patristic Latin</i>)	3	...
Latin 303 (<i>Medieval Latin</i>)	...	3
Latin 310 (<i>Directed Reading in Latin Literature</i>)	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Latin 401-403 (<i>Advanced Latin Prose Composition</i>)	3	3
Latin 410 (<i>Coordinating Seminar in Latin</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3

Comprehensive Examination

MATHEMATICS CONCENTRATION

Please refer to page 75 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Physics 105-107 (<i>General Physics</i>)	4	4
Mathematics 105-107 (<i>Analytic Geometry and Calculus I</i>)	3	3

SECOND YEAR		
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Mathematics 201-203 (<i>Analytic Geometry and Calculus II</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Electives* (<i>see page 49</i>)	3	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Mathematics 307 (<i>Introduction to Modern Algebra</i>)	...	3
Mathematics 309 (<i>Elements of Linear Algebra</i>)	3	...
Mathematics electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Mathematics 401-403 (<i>Advanced Calculus</i>)	3	3
Mathematics 410 (<i>Senior Seminar in Mathematics</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

PHILOSOPHY CONCENTRATION

Please refer to page 80 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Philosophy 310 (<i>Directed Reading in Philosophy</i>)	3	3
Philosophy electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Philosophy 410 (<i>Coordinating Seminar in Philosophy</i>)	3	3
Philosophy 415-417 (<i>Philosophy of Being</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

POLITICAL SCIENCE CONCENTRATION

Please refer to page 85 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
Political Science 201-203 (<i>Introduction to American Government</i>)	3	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Political Science 310 (<i>Directed Reading in American Constitutional History and Law</i>)	3	3
Political Science electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Political Science 410 (<i>Coordinating Seminar in Political Theory</i>)	3	3
Political Science electives advised by the department	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

SOCIOLOGY CONCENTRATION

Please refer to page 88 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science (<i>see page 49</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language (<i>see page 77</i>)	3	3
Sociology 201 (<i>Introductory Sociology</i>)	3	...
Sociology 203 (<i>Research Methods</i>)	...	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Sociology electives advised by the department	3	3
Sociology 310 (<i>Directed Reading in Sociology</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Sociology electives advised by the department	3	3
Sociology 410 (<i>Coordinating Seminar in Sociology</i>)	3	3
Electives* (<i>see page 49</i>)	3	3
Electives	3	3
Comprehensive Examination		

Courses of Instruction

UNDER THE HEADING of each department is a statement concerning the particular field of study, followed by a statement concerning the objectives of the department and the course requirements. Some of the departments offer a program of concentration, others do not. It is important for concentrators to be well acquainted with the offerings of their department. Courses are described in this section and notations are made concerning the prerequisites and the number of credits given.

Electives. Electives are an integral part of the St. Michael's *Plan of Studies* for they help meet the needs and interests of individual students. In order to avoid extreme specialization on the undergraduate level, *no student may elect more than fifty percent of his elective hours within his concentration or allied areas.* On the preceding pages the electives marked with an asterisk (*) indicate electives that may not be taken within the student's area of concentration.

Social Sciences. All students must take at least six hours of social science.

Seminars. All courses numbered 310 are Junior Concentration Development Courses. Their function is to give the student scope and background in his field of concentration, especially through the reading and discussion of books assigned. All courses numbered 410 are Senior Seminars. Their function is to begin to train the student in research and in the ability to coordinate the knowledge he has acquired in his field of concentration.

Courses 310 and 410 normally are open only to concentrators. They may be taken as electives by a non-concentrator only with permission of the Department Chairman.

DEPARTMENT OF AEROSPACE STUDIES

The Air Force Reserve Officer Training Corps programs are designed to develop skills and attitudes vital to the career Air Force officer. Two AFROTC programs currently exist at St. Michael's—the traditional four-year ROTC curriculum and the new two-year program.

FOUR-YEAR PROGRAM: This program encompasses the student's four years at college and consists of two educational levels: the General Military Course (freshman and sophomore years) and the Professional Officer Course (junior and senior years). In addition to a formal course of study each year the program includes a 30-hour Corps Train-

ing program, a 36-hour flight training program for selected Professional Officer Course cadets, drill team competition, social activities, and cadet honorary society membership for selected cadets. Cadets are required to attend a four-week field training session at an Air Force Base in the summer between the junior and senior years.

TWO-YEAR PROGRAM: This program is available to students who did not have the opportunity to take the General Military Course in their freshman and sophomore years or did not elect to do so. It is also available to transfer students who will spend a minimum of two years at this college, either in graduate or undergraduate status. Selection for this program is on a competitive basis with priority given to those students who can qualify for pilot or navigator categories. Those selected must first attend a 6-week Field Training session at an Air Force Base in the summer between their sophomore and junior years then enter directly into the Professional Officer Course during their last two years at school.

THE PROFESSIONAL OFFICER COURSE (POC) (junior and senior years): is designed to encourage cadets to think critically and creatively by active participation in student-led discussions and projects. The end result upon successful completion of the course is a commission as a second lieutenant in the United States Air Force.

CORPS TRAINING: The Corps Training program provides the AFROTC cadet opportunities for leadership training and experience in a supervised environment. It involves an organized cadet corps commanded by a Cadet Commander and his staff under general policies prescribed by the Professor of Aerospace Studies. Corps Training is conducted on an average of four hours a month for both four-year and two-year program cadets.

GENERAL INFORMATION

Uniforms: Uniforms and all equipment are furnished by the college. Students are responsible for the proper care and cleanliness of uniforms and equipment placed in their custody.

Subsistence Pay: There is no pay for students in the General Military Course. Students in the Professional Officer Course receive subsistence pay of fifty dollars (\$50.00) per month.

101 WORLD MILITARY SYSTEMS (Freshman Four-year Program) *Fall semester*

An introductory course exploring the causes of the present world conflict, the role and relationship of military power to that conflict, and the responsibilities of an Air Force Officer. This includes a study of the interrelationships of national

power factors; a comparative analysis of the Democratic and Communist ideologies; patterns of conflict relative to the confrontation between opposing ideologies; and the role of military power as a facet of national policy. A study of world military forces is begun through treatment of the U. S. Department of Defense and the doctrine, mission and functions of the United States Air Force.

Two class hours per week. One Corps Training hour per week, in both semesters. Two credits.

203 WORLD MILITARY SYSTEMS (Sophomore Four-year Program) *Spring semester*

AS 203 continues the study of world military forces and the political military issues surrounding the existence of these forces. This includes a study of the United States Army, and the United States Navy, their doctrines, missions, and employment concepts; a study of the military forces of NATO, CENTO, SEATO, and their role in free world security; and in an investigation of the military forces of the USSR, the Soviet Satellite Armies, and the Chinese Communist Army. The AS 203 phase concludes with an analysis of the trends and implications of world military power.

Two class hours per week. One Corps Training hour per week, in both semesters. Two credits.

250 SIX-WEEK FIELD TRAINING (Two-year Program only)

This provides a direct avenue of entry into the POC for qualified students who have not completed the General Military Course (AS 101 and AS 203). Its graduates may be enrolled in the POC as members of the two-year program.

301 GROWTH AND DEVELOPMENT OF AEROSPACE POWER, I *Fall semester*

A survey course concerned with the development of airpower in the United States; mission and organization of the Defense Establishment; Air Force concepts, doctrine and employment.

Three class hours per week. One Corps Training hour per week. Three credits.

303 GROWTH AND DEVELOPMENT OF AEROSPACE POWER, II *Spring semester*

A survey course concerned with astronautics and space operations including space vehicle systems, manned space flight and operations in space; the future development of Aerospace Power.

Three class hours per week. One Corps Training hour per week. Three credits.

350 FOUR-WEEK FIELD TRAINING (Four-year Program only)

This provides those educative experiences more appropriate to an Air Force Base than a campus, and is taken by POC cadets in the four-year program, usually at the end of their junior year.

401 THE PROFESSIONAL OFFICER, I *Fall semester*

A study of military professionalism. Includes the principles of leadership, professional responsibilities; the military justice system, and Air Force personnel policies.

Three class hours per week. One Corps Training hour per week. Three credits.

403 THE PROFESSIONAL OFFICER, II

Spring semester

A continuation of the study of military professionalism. Includes channels of communication; problem solving techniques; principles and functions of management; data processing; and Air Force controls. Also includes a five-hour block of briefing for Commissioned Service.

Three class hours per week. One Corps Training hour per week. Three credits.

DEPARTMENT OF BIOLOGY

The concentration in Biology is a series of introductions to the various fields of Biology. The successful concentrator is prepared for teaching or for advanced academic and professional studies. Students who plan to attend graduate school should bear in mind that a reading knowledge of French and German may be required. The concentration in Biology meets the entrance requirements of schools of medicine and dentistry.

Those students who intend to continue on into graduate studies in the field of molecular Biology are strongly urged to take the concentration in Chemistry with an 8-credit elective in Biology.

The comprehensive examination in the spring of the senior year will test on selected major topics in the fields of Biology.

Required of all concentrators: Biology 201-3, 301, 303, 305, 307, 401-3, and 410. Concentrators are required also to take Chemistry 101-3, 301-3; Physics 101-3; Mathematics 101-3. Chemistry 305 is a prerequisite for medical school applicants. It is offered in their senior year.

201-203 ADVANCED GENERAL BIOLOGY

Two semesters

A survey of the basic concepts of organization and development of the plant and animal kingdoms and an introduction to systems of coordination and control. The laboratory is designed to give the student experience in the basic aspects of biology.

The second semester provides an examination of the cellular and organismal level of the major biosynthetic pathways and of various developmental systems of plants and animals. A survey of the concepts of classical and molecular genetics is included.

*Three lectures and a two-hour laboratory each week. Eight credits.
Laboratory fee: \$18.00 each semester.*

301 CELL BIOCHEMISTRY

Fall semester

An introduction to the molecular basis of structure and function in living organisms. The laboratory considers various qualitative and quantitative biochemical techniques.

*Three lectures and a two-hour laboratory each week. Four credits.
Laboratory fee: \$12.00.*

303 MICROBIOLOGY

Fall semester

A study of the structure, development, growth, and integration of organisms classified as bacteria, algae, and fungi; also the viruses. Lectures and laboratory work on techniques, physiology, and cell biology of a variety of microscopic organisms.

Three lectures and a two-hour laboratory each week. Four credits.

Laboratory fee: \$12.00.

305 PLANT PHYSIOLOGY

Spring semester

A study of the functions of plants at levels of bio-organization from the sub-cellular to the organism showing the integration of cells, tissue systems, and the plant body. Lecture and laboratory experience in different aspects of the physiology of the living plant.

Three lectures and a two-hour laboratory each week. Four credits.

Laboratory fee: \$12.00.

307 VERTEBRATE BIOLOGY

Spring semester

A treatment of the comparative gross anatomy of selected vertebrate types and a detailed study of the microanatomy and physiology of the fundamental tissues. The laboratory consists of a dissection of the organ-systems of certain vertebrate types and a study of the histology of mammalian tissues at both light and electron (micrographs) microscope levels.

Three lectures and a two-hour laboratory period each week. Four credits.

Laboratory fee: \$12.00.

401-403 DEVELOPMENT, GENETICS AND EVOLUTION

Two semesters

Classical and molecular genetics, vertebrate embryology and the mechanism of evolution.

Three lectures and a two-hour laboratory each week. Eight credits.

Laboratory fee: \$12.00 each semester.

410 COORDINATING SEMINAR IN BIOLOGY

Two semesters

The student reads and studies in depth some of the basic problems in modern biology. Individual papers are assigned for oral and written report. Group discussion is the keynote. A term paper involving literature search is required.

Two hours each week. Four credits.

DEPARTMENT OF CHEMISTRY

The Department of Chemistry offers courses to meet the needs of those students whose primary interest is chemistry and who intend to pursue graduate studies or enter directly into industry. It also provides courses in chemistry to supplement studies in the other disciplines.

The department shares two grants from the Petroleum Research Fund which is administered by the American Chemical Society. These grants support undergraduate research for qualified students. Financial support is available during the academic year and the summer session.

The concentration in chemistry should be chosen only by students who have a good aptitude for the physical sciences. Students who plan to attend graduate school should bear in mind that a reading knowledge of French and German may be required.

Required of concentrators: Chemistry 101-3, 201-3, 301-3, 305-7, 401-3, 410; Mathematics 105-7 and 201-3; Physics 105-7.

101 INTRODUCTION TO CHEMISTRY

Fall semester

This course is an introduction to atomic structure, chemical bonding, equilibria, kinetic molecular theory, thermodynamics and electrochemistry. The laboratory consists of the study and application of the methods of qualitative inorganic analysis.

Three lectures and one laboratory each week. Four credits.

Laboratory fee: \$12.00.

103

Spring semester

A continuation of 101 except that the laboratory work consists of an introduction to classical quantitative analysis.

Three lectures and one laboratory each week. Four credits.

Laboratory fee: \$12.00.

201-203 PHYSICAL CHEMISTRY

Two semesters

This course considers the laws and energy relationships which describe physical states and chemical processes. It includes a detailed study of thermodynamics, physical states of matter, kinetics, equilibria and modern structural concepts.

Prerequisites: Math 105-7; Physics 105-7 (may be taken concurrently).

Three lectures and two laboratories each week. Ten credits.

Laboratory fee: \$18.00 each semester.

301-303 ORGANIC CHEMISTRY

Two semesters

A study of organic reactions with emphasis on functional groups, reactive intermediates, reaction mechanisms and synthesis. The laboratory consists of the study and application of the methods for functional group characterization (chemical and spectroscopic) and the preparation of derivatives.

(Designed for Chemistry Concentrators)

Three lectures and two laboratories each week. Ten credits.

Laboratory fee: \$12.00 each semester.

(Designed for Biology Concentrators)

Three lectures and one laboratory each week. Eight credits.

Laboratory fee: \$12.00 each semester.

305 INORGANIC CHEMISTRY

Fall semester

A study of atomic structure and periodicity, nuclear structure and reactions and inorganic synthesis.

Three lectures each week. Three credits.

307 ANALYTICAL CHEMISTRY: INSTRUMENTAL METHODS

Spring semester

This course presents the theoretical and practical aspects of instrumental analytical chemistry. The laboratory consists of electrochemical, spectrometric, chromatographic, and radiometric methods of analysis.

Three lectures and two laboratories each week. Five credits.

Laboratory fee: \$18.00.

401 ADVANCED ORGANIC CHEMISTRY

Fall semester

A comprehensive study of modern organic synthesis with emphasis on reaction mechanisms and stereochemistry. The laboratory work consists of the characterization of organic compounds by spectroscopic methods (IR, UV, NMR).

Three lectures and one laboratory each week. Four credits.

Laboratory fee: \$12.00.

403 PHYSICAL ORGANIC CHEMISTRY

Spring semester

A study of organic reactions with emphasis on rates, activation parameters, molecular orbitals and symmetry. The laboratory work consists of a research effort designed to introduce current chemical research problems.

Three lectures and one laboratory each week. Four credits.

Laboratory fee: \$12.00.

410 SPECIAL TOPICS IN CHEMISTRY, COORDINATING SEMINAR

Two semesters

Fall semester—Physical Chemistry: An introduction to quantum mechanics, statistical thermodynamics and reaction rate theory.

Spring semester—Advanced Inorganic Chemistry: A study of stereochemistry and reaction mechanisms in inorganic chemistry.

Seminar: Each student will present a series of seminars from current chemical literature. In addition, each student will defend orally an original research proposal. This proposal should demonstrate a comprehension of current chemical problems and an appreciation for the experimental method.

Three lectures and one seminar each week. Eight credits.

DEPARTMENT OF CLASSICS

The Department of Classics offers courses in Latin and Greek for students who wish to develop a capacity to read the literature written in those languages. It offers also courses in the history of Greek and Roman civilization and literature in translation for all interested students.

A program of concentration is offered in Latin for those students who plan to do graduate work in Classical or Romance languages and in the field of ancient or medieval history, and for those who expect to teach Latin in the secondary schools or those who are interested in the cultural value of the Classics. The following are the objectives of the program:

1. to develop the student's ability to read and translate at sight representative works of Latin authors;

2. to teach the student skill and style in Latin composition, conversation and prosody;
3. to develop an understanding of the lasting contributions of Graeco-Roman civilization to our culture and way of life.

Required of concentrators: Latin 105-7, 201-3, 301, 303, 310, 401-3, 410.

Recommended elective: Greek 101-3, 201-3; History 301, 303; Classical Civilization 305-7.

GREEK

101-103 ELEMENTARY GREEK

Two semesters

Introduction to the forms, vocabulary and syntax of the New Testament Greek. Selected readings from the New Testament and the Fathers of the Church.

Three class hours each week. Six credits.

201-203 GREEK PROSE LITERATURE

Two semesters

Study of the fundamentals of Classical Greek. Selected readings from Demosthenes, Plato and Thucydides.

Three class hours each week. Six credits.

301-303 GREEK POETRY

Two semesters

Selected readings from Homer, Hesiod, Sappho, Alcaeus, Aeschylus, Sophocles, Euripides and Aristophanes.

Three class hours each week. Six credits.

LATIN

101-103 ELEMENTARY LATIN

Two semesters

An introduction to the basic forms, vocabulary and syntax of Latin.

Three class hours each week. No credit.

105-107 INTERMEDIATE LATIN

Two semesters

A review of the basic structure and idioms of the Latin language. The aim of this course is to develop a reasonable ability in reading, translation, composition and conversation.

Prerequisite: two years of high school Latin, or Latin 101-103.

Three class hours each week. Six credits.

201 ROMAN HISTORIANS

Fall semester

Selected readings from Sallust, Cicero, Caesar, Livy and Tacitus with lectures and readings on the development of historical writing in Rome.

Prerequisite: Latin 105-107.

Three class hours each week. Three credits.

203 ROMAN LYRIC POETRY

Spring semester

Selected readings from Catullus, Horace and Vergil. A study of Roman poetical forms and genres.

Prerequisite: Latin 105-107.

Three class hours each week. Three credits.

301 PATRISTIC LATIN

Fall semester

Readings from St. Augustine's *Confessions* and *City of God*, and from prose and poetry writings of other Latin Church Fathers.

Three hours each week. Three credits.

303 MEDIEVAL LATIN

Spring semester

A survey, through selected readings, of the secular and religious poetry and prose from the sixth to the thirteenth century A.D.

Three class hours each week. Three credits.

310 DIRECTED READING IN LATIN LITERATURE

Two semesters

From authors not usually covered in formal courses. Reading program suited to individual requirements and preference will be chosen by the students under direction of the instructor. Student reports, written and oral, will be discussed.

Two meetings each week. Six credits.

Not offered in 1968-69.

401-403 ADVANCED LATIN PROSE COMPOSITION

Two semesters

A study of Latin rhetoric with particular emphasis on the appreciation of the differences between formal, oratorical and epistolary style. Translation and composition based on selected models from Latin literature.

Two meetings each week. Six credits.

410 COORDINATING SEMINAR IN LATIN

Two semesters

Reading program begun in the junior year is continued from a second area of concentration. Two research papers, a philological and historical study are required from each concentrator. Written and oral reports will form the basis of discussion for the meetings.

Two meetings each week. Six credits.

Not offered in 1968-69.

CLASSICAL CIVILIZATION

301 HISTORY OF GREECE

Fall semester

A study of the political and social history of Greece, with some consideration of the Oriental civilizations by which the Greeks were influenced.

Three meetings each week. Three credits.

303 HISTORY OF ROME

Spring semester

A study of the political and social history of Rome from the origins to the Fourth Century of the Christian Era.

Three meetings each week. Three credits.

305-307 ROMAN POLITICAL INSTITUTIONS

Two semesters

The origin and growth of the Roman constitution and the evolution of Roman society and government from the origin of Rome to the empire.

Three meetings each week. Six credits.

401-403 CLASSICAL LITERATURE IN TRANSLATION

Two semesters

Reading in English of outstanding masterpieces of Greek and Roman authors. Lectures and discussions will attempt to provide the student with understanding and appreciation of ancient literature and its unending influence on modern literary forms.

Three meetings each week. Six credits.

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

It is not mere coincidence that the concentrations in Economics and Business Administration are directed by the same department. The social science of economics deals with the nature of economic law and institutions and the spirit behind these theories and institutions. The art of business administration is, in fact, applied economics. It is man applying the teachings of economics within a particular frame, the modern industrial enterprise. As a result of this close relationship it is felt that the maximum of teaching efficiency can be maintained by placing both concentrations under the guidance of a single department.

THE CONCENTRATION IN ECONOMICS

Much of modern man's time is spent in an effort to satisfy his wants by utilizing the means provided by nature. To aid in the development of efficiency in the production, and justice in the distribution, of goods and services, the concentration in economics has been created. Today, as never before, in business and government there is need for trained economists with an ethical viewpoint.

Rejecting the notion that economic activity is independent of such regulative sciences as ethics and moral theology, our approach to the problem of economics is threefold. First, recognizing that the essential feature of any economic age is not merely the institutions and the instruments employed, but the spirit in which they are used, we spend considerable time studying the economic spirit of today, comparing and con-

trasting it to the spirit of pre-capitalistic time. Second, we examine the institutions, instruments, tools, and technological developments employed by man to gain his material wealth. Third, we examine modern economic theories, attitudes, and organization in the light of Catholic thought.

Required courses: Economics 101-3, 301, 303, 310, 401, 403, 410.

Recommended for students who plan to do graduate work in Economics: Business 307-9.

THE CONCENTRATION IN BUSINESS ADMINISTRATION

The main purpose of the concentration in business administration is to develop men, educated within the framework of the liberal arts, who will eventually be capable of assuming executive responsibility in business. Thus the emphasis is on the long-run objective of administration and leadership rather than on highly specialized skills. Such techniques as are taught are presented to give the student a better understanding of the situations which may confront him after graduation.

Required courses: Economics 101-3; Business Administration 201-3, 303, 305, 307-9, 315-17, 403-5, 410.

ECONOMICS

101-103 PRINCIPLES OF ECONOMICS

Two semesters

This course deals with the nature of current economic law and institutions. The theories of value, money, production, and distribution are discussed. Emphasis is placed upon the economic spirit behind these theories and institutions.

Three class hours each week. Six credits.

301 HISTORY OF ECONOMIC THOUGHT

Fall semester

This course traces the dominant economic spirit of the western world from Aristotle to the present through a study of leading schools of economic thought and the philosophical assumptions of various economists. Pre-capitalism and capitalism are compared and contrasted.

Three class hours each week. Three credits.

303 ECONOMIC HISTORY OF THE UNITED STATES

Spring semester

This course analyzes such problems of American economic history as land policy, changes in the working conditions and organizations of labor, expansion of national income, the development of transportation and manufacturing, and changing concepts of public policy. A survey of the fields of money, banking, the tariff, public expenditures, the debt, and taxation is included.

Three class hours each week. Three credits.

307 ELEMENTS OF ECONOMICS

Fall and spring semesters

An introductory study of basic economic institutions and selected economic problems. The basic principles of economic analysis and formulation of economic policy are considered.

*Open only to NON-concentrators in Economics or Business.
Three class hours each week. Three credits.*

310 DIRECTED READING IN ECONOMICS

Two semesters

Under the direction of the instructor students meet to report on and discuss books and articles dealing with various phases of economics which have been assigned to them. Open only to concentrators.

Two meetings each week. Six credits.

401 MONEY AND BANKING

Fall semester

Since the monetary and credit system is a distinctive feature of capitalism a full term is spent discussing the theories and institutions involved. Emphasis is on general theory and its application on a national and international scale.

Three class hours each week. Three credits.

403 PUBLIC FINANCE AND TAXATION

Spring semester

This course covers such topics as: system of budgeting, expenditure, borrowing and taxation of the national, state, and local governments in the United States. A critical examination is made of the use of national estimates in the formulation of fiscal policy and economy planning.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN ECONOMICS

Two semesters

This seminar discusses current economic problems. Individual studies are prepared by the students and use is made of round-table discussions. The seminar is reserved for concentrators.

Two meetings each week. Six credits.

BUSINESS ADMINISTRATION

101-103 PRINCIPLES OF ECONOMICS

Two semesters

(See Economics 101-103 page 59)

201-203 INTRODUCTORY ACCOUNTING

Two semesters

Accounting is an important tool of management. Much time is devoted to showing how accounting data can be used to aid decision making and control. Business transactions are analyzed and recorded in order to assemble financial data, which is then interpreted for management.

Three class hours each week. Six credits.

303 INDUSTRIAL MANAGEMENT

Fall semester

This course covers all important activities of the manufacturing enterprise, including production control, quality control, time and motion study, as well as

human relations involved. Its purpose also is to bridge the gap between the descriptive approach to industrial management and the scientific approach to operation research and automation.

Three class hours each week. Three credits.

305 MARKETING

Spring semester

Major phases of this course deal with the marketing structure, marketing principles, physical distribution, and advertising psychology. The quantitative approach to the case method is used with emphasis on the social aspects of marketing.

Three class hours each week. Three credits.

307-309 STATISTICS

Two semesters

Elementary theory and techniques of statistical inference. Examples in scientific investigations and in decision theory as employed in the field of business administration. Enumerative and analytical studies; acceptance sampling and problems in testing and estimation. Introduction to the theory of games and its relationship to statistics.

Three class hours each week. Six credits.

This course should be elected by juniors who plan to do graduate work in Economics.

311 INTRODUCTION TO ELECTRONIC DATA PROCESSING

Fall semester

This course acquaints the student with the general concepts of computers and includes a description of the organization of electronic data processing systems as well as the concept of programming.

Three class hours each week. Three credits.

Not offered in 1968-69.

313 ADVANCED ELECTRONIC DATA PROCESSING

Spring semester

This course begins with a review of the entire field of electronic data processing. There follows an examination of how a computer center is planned, organized, and maintained. An analysis of the various applications of computers is made with attention given to the fulfillment of social goals.

Prerequisite: Business 311, or permission of the Department Chairman.

Three class hours each week. Three credits.

Not offered in 1968-69.

315-317 FINANCIAL POLICIES OF CORPORATIONS

Two semesters

An intensive study of the fundamentals of corporation finance and investment analysis. During the final six weeks of the course the sections will be divided into small discussion groups for the purpose of making actual financial analyses of well-known American corporations.

Three class hours each week. Six credits.

321-323 PERSONNEL MANAGEMENT

Two semesters

A study of the principles, policies, and problems of modern manpower management. Recruitment, job training, job evaluation, problems arising from union-management relations, and many other problems are examined.

Three class hours each week. Six credits.

401 COST ACCOUNTING

Fall semester

Job order and process systems are treated lightly, in order to give proper recognition to (1) service and product costing and (2) costing for managerial planning and the means to obtain conformity to plans. Standard costs are used and controversial areas of responsibility accounting and motivation are discussed.

Three class hours each week. Three credits.

403-405 BUSINESS LAW

Two semesters

This course presents the fundamentals of the law of contracts, sales, negotiable instruments, partnerships and corporations. The object is not to turn the student into a trained lawyer, but rather to stress his legal rights and duties in the business world.

Three class hours each week. Six credits.

407-409 ADVANCED ACCOUNTING

Two semesters

An advanced course in accounting theory and practice; complex problems of accounting for partnerships and corporations; problems connected with the valuation of all asset, liability, and net worth accounts, the analysis of statements, and other topics of an advanced nature.

Three class hours each week. Six credits.

410 SEMINAR IN INDUSTRIAL PROBLEMS

Two semesters

Weekly meetings devoted to the analysis and discussion of various problems facing the business enterprise. This course will call upon all of the student's knowledge both of business and non-business subjects as it attempts to place him in typical situations faced almost daily by the experienced executive. This seminar will also involve a considerable amount of reading in current periodicals in order to make the student aware of the importance of outside influences such as government fiscal policy, the plight of the farmer, consumer spending habits, central bank policies, et cetera, upon business. Reserved for concentrators.

Two meetings each week. Six credits.

411 INVESTMENTS

Fall semester

Various types of securities and the market in which they are traded are described.

Three class hours each week. Three credits.

413 INVESTMENT MANAGEMENT

Spring semester

The fundamentals of investment analysis and technical aspects of the securities markets are presented. Some problems involved in the creating and managing of investment portfolios are also considered.

Three class hours each week. Three credits.

415-417 TAX ACCOUNTING

Two semesters

Accounting for Federal Income Tax purposes, with concentration on the Internal Revenue Code and up-to-date changes. Tax return preparation for individuals, corporations, estates and trusts are stressed with attention given to various information returns.

Three class hours each week. Six credits.

419 AUDITING

Spring semester

A study and critical appraisal of current auditing standards associated with the examination of financial statements. Examines the role of the independent auditor, the significance of the certificate, the internal controls, the underlying evidences for authority and validity and the function of the internal auditor.

Prerequisite: Business 407-409.

Three class hours each week. Three credits.

DEPARTMENT OF EDUCATION

The prospective teacher candidate may be attracted to the teaching profession by such opportunities and advantages as economic security and tenure, social prestige, cultural opportunities, intellectual association, the indulgence of life-long interests in ideas and books, pleasant working conditions and an adequate income; but we would prefer that his basic motivation stem from the realization of the nobleness and importance of the teacher's vocation wherein he may serve God and country by dedicating his life to the development and training of the minds and spirits of youth.

The teacher has a vital and lasting influence upon the lives of his pupils. He assists them to acquire the tools of knowledge and instills in them an abiding desire to use those tools; he stimulates them to think for themselves; he inculcates in them, by precept and example, high ideals and points the way to the realization of those ideals; he teaches them to discipline themselves.

There is at present a heavy demand for well-trained secondary school teachers in all fields and conservative estimates indicate that this demand will be even greater during the next decade and thereafter. Thus both the immediate and long-range opportunities for employment are excellent.

For those interested in administrative and specialized careers in education it may be pointed out that teaching experience is a prerequisite for those positions. A great number and variety of responsible and rewarding positions are open to men teachers whose interests and talents lie in such fields.

To achieve success in the vocation of teaching the prospective teacher candidate should possess the following characteristics: exemplary character, above-average scholarship, proficiency in oral and written expression, interest in young people, pleasing and well-rounded personality, good health, desire to teach.

The basic format of the five-year Teacher Education program is:

1. Concentration in subject field during undergraduate years, leading to A.B. degree at end of fourth year.
2. Electives in Education during third and fourth years.
3. A fifth year program comprising a full scholastic year with teaching laboratory experience, and two summer sessions, leading to a Master of Arts in Teaching degree.

301 EDUCATIONAL PSYCHOLOGY

Fall semester

A systematic study of the basic principles of learning and their applications. The educational implications and significance of Scholastic psychology.

Three class hours each week. Three credits.

303 PRINCIPLES OF TEACHING

Spring semester

A systematic study of the basic principles of teaching and their application. Principles of good classroom management. Unit and lesson planning. The evaluation of pupil achievement and teaching performance.

Prerequisite: Education 301.

Three class hours each week. Three credits.

305 HISTORY OF EDUCATION

Fall semester

Examination of the historical origins of present educational theories and practices of western civilization. Special attention is given to the American educational development.

Three class hours each week. Three credits.

309 PHILOSOPHY OF EDUCATION

Spring semester

A study of the basic principles of education. Nature and ends of education. The nature and role of the intellectual and moral virtues. The function of education in society. This study is both historical and doctrinal.

Three class hours each week. Three credits.

DEPARTMENT OF ENGLISH

In the St. Michael's Plan all students are required to take one course in English in their first year. The course is a study of the principles of rhetoric and literature directed through intense practice in reading and writing toward these liberal goals: to learn to observe and reflect upon what one sees, to read intelligently and critically, and to write with precision, force, and style. The English concentration courses seek further to provide the student with insights into the language and literary arts, and the major writers and periods, through following the best of both the chronological and critical approaches. The required "core" program in humanities is an effective correlate of the English concentration courses, providing not only an integrated survey of history, literature, and the fine arts, but also the study in translation of selected masterpieces of the ancient and modern literature of continental Europe.

Students in all of the above courses are expected to maintain a reasonably high level of written expression in tests, examinations, short themes, and term papers. Notable deficiencies in the fundamental decencies of writing should be regarded as a serious impediment to concentrators in English. In fact, students with a grade below B should be discouraged from proposing English as the field of concentration.

Who should concentrate in English?

1. Prospective scholars, *i.e.*, young men who wish ultimately to specialize in English and American literature in preparation for college teaching and/or research.
2. Prospective teachers of English in junior and senior high schools. These students may elect courses in education in their junior and senior years.
3. Students interested in careers in journalism, radio, television, public relations, et cetera. These students are advised to elect courses in writing and public speaking.
4. Students preparing for law and for business. Intensive training in literature and writing is generally regarded as sound preparation for the study of law and for executive positions in the business world. These students are encouraged to take elective courses in government, economics, and business, but *ad hoc* training in business can be taken in on-the-job training programs.
5. Students interested in literary training for its own sake or as the basis of a broadly humanistic culture.

Required of all students in the freshman year: English 101-3.

Required of concentrators: 201-3, 301-3, 310, 401-3, 410.

101-103 FRESHMAN COMPOSITION AND READING

Two semesters

This course introduces the student to the art of rhetoric and provides him with intensive practice in the application of this knowledge in his own writing and reading. Frequent writing assignments aim to develop mature, clear, effective expression. Extensive readings in informational prose, poetic forms, fiction, and drama are used to illustrate grammatical, rhetorical, and poetic principles, to deepen his appreciation of literary excellence, and to acquaint him with the literary genres both as examples of forms to be emulated, and as a useful preparation for the sequence in Humanities.

Three class hours each week. Six credits.

201-203 DIRECTED READING IN ENGLISH LITERATURE, PART I

Two semesters

This course follows the outline of English literary history from Beowulf to the Victorians. There is a study of each major period (Medieval, Renaissance, Restoration, Neo-Classical, Romantic); directed reading of authors on the Reading List; several research papers; lectures, discussions, and oral reports.

Three class hours each week. Six credits.

301-303 CHAUCER AND SHAKESPEARE

Two semesters

A study of Chaucer's *Canterbury Tales* and a dozen plays of Shakespeare, with some emphasis on the Middle and Early Modern English as contributing to the unified richness of these works, as well as to the development of the native language.

Three class hours each week. Six credits.

310 DIRECTED READING IN ENGLISH LITERATURE, PART II

Two semesters

This course concentrates on the major writers of the nineteenth and twentieth centuries from the Victorians to the present. While preserving the historical pattern established in English 201-3, the class is conducted as a "seminar" on the Reading List. Background lectures, reports on the collateral reading, panel discussions, and at least one lengthy documented paper.

Two meetings each week. Six credits.

311 ADVANCED COMPOSITION

Fall semester

A study of linguistic and rhetorical principles and intensive practice in writing.

Three class hours each week. Three credits.

313 THE ART OF FICTION

Fall semester

Reading and class study of a wide variety of short fiction, with reading and analysis of several full-length novels. The course takes into account both historical and "critical" approaches.

Three class hours each week. Three credits.

315 SEMINAR IN POETRY

Fall semester

An analytical approach to the structure of poetic forms. The establishment of critical values and techniques of explication will constitute the substance of the course. Practice in the writing of poems will be afforded qualified students.

Two meetings each week. Three credits.

317 MAJOR CONTEMPORARY AUTHORS

Spring semester

A study in depth of selected representative British and American writers of the twentieth century. Collateral reading in Continental authors.

Three class hours each week. Three credits.

319-321 MODERN WORLD LITERATURE

Two semesters

This course draws its material from several modern languages including English, French, Spanish, German and Italian. Students prepared to read works in the original language will be required to do so; otherwise they will be read in translation.

Three class hours each week. Six credits.

401-403 AMERICAN LITERATURE

Two semesters

This course presents a complete survey of American Literature from the beginning to the present, with emphasis on selected great works not read in Humanities 301-3.

Three class hours each week. Six credits.

405 HISTORY OF THE ENGLISH LANGUAGE

Spring semester

A study of the development of the English language from the Old English to the twentieth century.

Three class hours each week. Three credits.

407 LITERARY CRITICISM

Spring semester

A study of the nature, standards and schools of criticism from Aristotle to T. S. Eliot. Practice in the application of critical principles to modern writing.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN ENGLISH

Two semesters

This seminar is designed to coordinate the work of previous courses, to enlarge the student's knowledge and develop his judgment through directed readings, research papers, and discussions especially of modern literature and criticism.

Two meetings each week. Six credits.

DEPARTMENT OF FINE ARTS

Fine arts are important manifestations of the intellectual growth and development of the educated man. The Liberal Arts Program at St. Michael's College recognizes that all students should be aware of significant artistic media of expression against a background of history and literature. The Fine Arts Department cooperates in the teaching of all courses in Humanities. Although no major concentration is offered in the fine arts, elective courses and co-curricular activities are offered by the divisions of music, drama and art.

MUSIC

Music has played an important part in man's cultural heritage. As a living record of man's actions, thoughts and institutions, it gives to students an insight to history, religion, architecture and literature. The music division offers courses in the theory and history of music, and presents a concert series by resident and guest artist-musicians.

Three musical organizations are sponsored by the Fine Arts Department: (1) a college glee club rehearsing and perfecting its discipline of sacred and secular music from Pre-Bach to contemporary masters, (2) a college choir studying and perfecting great sacred music, (3) a chamber music class for instrumentalists from the college and the community.

101 LITURGICAL MUSIC

Fall and/or spring semester

A comparative survey and the application of music in the Roman Catholic, Protestant and Jewish faiths.

Open to both seminarians and the public.

One class hour each week. No credit.

301 INTRODUCTION TO MUSIC

Fall semester

An extensive study of rhythm and melody; sight-singing, sight-reading, melodic formulae, harmony involving triads, first inversions and the dominant seventh chord. This course is devised for students with little or no previous training in music.

Three class hours each week. Three credits.

305 AMERICAN MUSIC

Spring semester

A survey of musical development in this country from the seventeenth century Psalters to twentieth century innovations including: Jazz, Musical Theater, Serial and Electronic Techniques.

Three class hours each week. Three credits.

DRAMA

Supplementing course offerings and play productions the Drama Club sponsors campus workshops, demonstrations, and lectures in drama.

301 CHIEF PATTERNS OF WESTERN DRAMA

Fall semester

A survey of the History of Drama from the Golden Age of Greece to the advent of Naturalism, showing the relationship between the authors, their plays, play-houses, scenic effects, acting styles and costumes.

Three class hours each week. Three credits.

303 CONTEMPORARY DRAMA

Spring semester

An investigation into the most important and influential playwrights since the beginning of Realism, from Henrik Ibsen to Samuel Beckett.

Three class hours each week. Three credits.

305 FUNDAMENTALS OF PLAY PRODUCTION

Spring semester

Includes all the basic material needed to bring a play to life: play selection, casting, style of production, directing, acting, scenery design and construction, costuming, rehearsal scheduling, with comments on business managing, ticket handling and house managing.

Three class hours each week. Three credits.

307 THE AMERICAN THEATRE

Fall semester

The American heritage in drama, musical comedy, opera and sub-literary forms such as vaudeville, from the Revolution to the present.

Three class hours each week. Three credits.

SPEECH

The following course is offered as elective:

201-203 PRINCIPLES AND TYPES OF SPEECH

Two semesters

A study of the principles of good speaking and listening. Practice in common types of speech: interview, group discussion, conference, forum, debate, occasional speech. Fundamentals of parliamentary law and practice in conducting a meeting.

Three class hours each week. Six credits.

ART

The visual arts have always ranked high in importance among the disciplines of man's mind. They reflect, and even sometimes anticipate, trends in religion, philosophy, literature, science, and history. In order to stimulate an awareness of the importance of the visual arts in our modern culture, exhibits of professional artists are held during the college year and there is an annual spring showing of the students' own work.

301 BASIC PRINCIPLES OF ART

Fall semester

An analysis and critical appreciation of art styles. Supplementary visits to art studios, exhibits.

Three class hours each week. Three credits.

303 THEORY AND PRACTICE OF ART

Spring semester

Presentation of practical problems of picture-making and the working out of these in workshop exercises.

Three class hours each week. Three credits.

400 CREATIVE DRAWING, PAINTING, AND SCULPTURE

Two semesters

Creative drawing, painting and sculpture for beginners and the more advanced; open to students and public.

Two evening classes each week. May be taken for credit with prior permission of academic dean.

Prerequisite: Art 301-303.

DEPARTMENT OF HISTORY

History is one of the most important integrating disciplines in the college of liberal arts. As a record of man's past actions, thought, and institutions, it necessarily touches upon other branches of knowledge, such as economics, politics, religion, sociology, architecture, literature, and gives perspective to their content. It is therefore an indispensable requirement for all students. The sequence in Humanities provides for these needs of all students and at the same time supplies a broad framework for the student who wishes to concentrate in history.

The objectives of the concentration are as follows: (1) to give the student a general knowledge of the past, of the events which shaped the life of mankind, of the men who influenced the course of civilization, of the institutions which human society has evolved; (2) to give him a more specific knowledge of one area of history, such as Ancient, Medieval, Modern European, or American; (3) to promote his better understanding of the present and of his position as the heir to a continuous Christian culture, through an appreciation of the forces that produced western civilization; (4) to strengthen his critical faculty through the employment of the techniques of historiography, the use of analysis and synthesis, and the constant effort to determine the truth of the past; (5) to foster literate self-expression through discussion and the preparation of historical papers.

Required for concentrators: 201-3; 310, 410, and two other full courses, which should be chosen under the direction of the departmental adviser.

MEDIEVAL STUDIES PROGRAM

The Medieval Studies program, supervised by the Department of History, is not a formal concentration. It developed from the desire of the Department to enable interested students to exploit the College's resources in the area of medieval and early modern European history, philosophy, languages, and literature. The Medieval Studies program allows the student to examine the various factors which shaped European society.

To counter the dangers of specialization at the undergraduate level, students in this program must take the basic courses required of History concentrators. In addition these students should select their electives from such courses as *History 301, 303, 305 and 307*. Other courses outside the Department of History which students may elect are: *Patristic Latin; Medieval Latin; Roman Political Institutions; Chaucer and Shakespeare; History of Medieval and Early Modern Philosophy*.

201-203 GROWTH OF THE AMERICAN NATION

Two semesters

This course acquaints the student with the most important facts and trends of American history.

Three class hours each week. Six credits.

301 HISTORY OF GREECE

Fall semester

A study of the political and social history of Greece, with some consideration of the Oriental civilizations by which the Greeks were influenced.

Three class hours each week. Three credits.

303 HISTORY OF ROME

Spring semester

A study of the political and social history of Rome to the fourth century of the Christian era.

Three class hours each week. Three credits.

305 THE EARLY MIDDLE AGES (476-1060)

Fall semester

A study of the political and social history of Europe from the "fall of the Roman Empire" to the eleventh century.

Three class hours each week. Three credits.

Not offered in 1968-69.

307 MEDIEVAL CIVILIZATION (1060-1300)

Spring semester

A study of the political, economic, social and cultural life of the "High Middle Ages."

Prerequisite: History 305.

Three class hours each week. Three credits.

Not offered in 1968-69.

309-311 DIPLOMATIC HISTORY OF THE UNITED STATES *Two semesters*

This course surveys the foreign relations of the United States from the Revolution to the present.

Three class hours each week. Six credits.

Not offered in 1968-69.

310 DIRECTED READING IN HISTORY *Two semesters*

This course is devoted to discussion of historical works organized under three headings: Classical History; Philosophies of History; Historical Controversy. The course is designed to enlarge the student's knowledge of historical writing and to foster his appreciation of it.

Three class hours each week. Six credits.

401 THE RISE OF MODERN ENGLAND *Fall semester*

Traces the history of England from the beginning of the Tudor dynasty to the close of the Napoleonic wars. Special attention will be given to the development of the British monarchy and the British Constitution.

Three class hours each week. Three credits.

Not offered in 1968-69.

403-405 THE EMERGENCE OF MODERN EUROPE (1300-1763) *Two semesters*

A thorough study of the Renaissance, the Reformation, and the creation of modern Europe. The course covers the period between 1300 and 1763.

Three class hours each week. Six credits.

407-409 EUROPE IN THE NINETEENTH CENTURY *Two semesters*

This course surveys the history of nineteenth century Europe from the Congress of Vienna (1814) to the rise of Bismark (1862). The spring semester continues the survey of nineteenth century Europe.

Three class hours each week. Six credits.

410 SEMINAR IN HISTORY *Two semesters*

This course is designed to draw upon and develop the student's knowledge of history through discussion and extended research. Seniors concentrating in history should enroll in one of the following divisions of this course with the consent of their adviser:

- a. Political Thought and Historical Development
- b. European Contacts with Asia during the Middle Ages
- c. France in the Twentieth Century

Meetings as required. Six credits.

411 HISTORY OF RUSSIA TO 1905 *Fall semester*

Surveys Russian history from the ninth century to the Revolution of 1905. Emphasizes the development of Russian political and social institutions and the relations of Russia with western nations.

Three class hours each week. Three credits.

413 MODERN RUSSIA

Spring semester

Surveys Russian history from 1905 to 1950. Emphasizes the development of the revolutionary parties and the history of the Communist movement since 1917.

Three class hours each week. Three credits.

415 THE FRENCH REVOLUTION

Fall semester

This course considers the causes of the Revolution and its development to the Thermidorian Reaction.

Three class hours each week. Three credits.

417 EUROPE DURING THE AGE OF NAPOLEON

Spring semester

This course continues from the Thermidorian Reaction to the Congress of Vienna.

Three class hours each week. Three credits.

AMERICAN STUDIES PROGRAM

The American Studies program is an interdepartmental concentration under the supervision of the Department of History. Its purpose is to allow a student to investigate the factors, historical, social, political, economic, and intellectual, which have shaped American civilization. The student concentrating in American Studies will take the following required courses: History 201-3, American Studies 310, and American Studies 410 (see below). The remaining four semesters of the concentration will be selected from the following areas of study: American Constitutional History; American Diplomatic History; Economic History of the United States; History of Philosophy in America; American Labor History and Law; History of American Literature. See bulletin entries of the appropriate academic departments for information about courses in the above areas.

310 DIRECTED READING IN AMERICAN INTELLECTUAL HISTORY

Two semesters

This course emphasizes the history of ideas in the United States from 1789 to 1875. Representative topics considered are: transcendentalism; nationalism.

The second semester continues the approach followed in the first. It considers such topics as immigration, social Darwinism, revivalism.

Two meetings each week. Six credits.

410 SEMINAR IN AMERICAN STUDIES

Two semesters

This course deals with selected topics pertinent to the United States in the twentieth century. Representative topics are: the social gospel; progressivism; neo-orthodoxy; historical interpretations of the United States.

Two meetings each week. Six credits.

Not offered in 1968-69.

DEPARTMENT OF HUMANITIES

The two-year, "core" sequence in Humanities seeks to provide a cultural *lingua franca* for all students by integrating history, literature, and art in a broad chronological survey of Western development. Periods of Western history are presented as units, mirrored in parallel reflections of socio-political change, literary landmarks, and typical art.

Besides minimizing the narrowing tendencies of undergraduate specialization, the course aims at (1) establishing a contextual frame of reference for setting facts in organic perspective; (2) regulating knowledge within a firm outline of time-pattern; (3) cultivating a basic capacity for aesthetic appreciation; and (4) forming reading habits and tastes which lead to the acquisition of a personal library.

A third year of electives (open to juniors and seniors) extends the course into the twentieth century.

101-103 CLASSICAL AND MEDIEVAL CIVILIZATION

Two semesters

Required of all freshmen, Humanities 101-3 surveys the development of ancient and medieval Europe. Besides standard history, music and art texts, the "Great Books" core includes: the *Bible* (*Genesis*, *Ruth*, *Psalms*, *Job*), *Iliad*, *Oedipus Rex*, *Antigone*, *The Peloponnesian War*, *Dialogues of Plato*, *The Constitution of Athens*, *Aeneid*, *Plutarch's Lives*, *Confessions of St. Augustine*, *Beowulf*, *Chronicles of the Crusades*, *The Little Flowers of St. Francis*, *On the Law*, *Inferno*, *Canterbury Tales*, *Everyman*, *The Second Shepherds' Play*. Lectures on history precede, as illustrated lectures on art follow, the core of "Great Books."

Three class hours each week. Six credits.

201-203 RENAISSANCE AND ENLIGHTENMENT

Two semesters

Required of all sophomores, this division continues the survey of Western development from the Renaissance through the Napoleonic Era. Books read and discussed include: *Book of the Courtier*, *In Praise of Folly*, *The Prince*, *Utopia*, *Autobiography of Benvenuto Cellini*, *Essays of Montaigne*, *Doctor Faustus*, *King Lear*, *New Organon*, *Paradise Lost* (I & II), *Areopagitica*, *Of Education*, *Don Quixote*, *Le Bourgeois Gentilhomme*, *Second Treatise of Government*, *Selected Poetry of Pope*, *The Wealth of Nations*, *Federalist & Declaration of Independence*, *Reflections on the Revolution in France*, *Romantic Poets*, *Faust* (Part I). Lectures on history precede, as illustrated lectures on music and art follow, the core of "Great Books" readings.

Three class hours each week. Six credits.

301 WESTERN CULTURE OF THE 19TH CENTURY

Fall semester

Elective for juniors and seniors, this unit extends the two-year sequence by tracing Western development from 1815 to the mid-twentieth century. "Great Books" include: *Essays of Emerson*, *Walden & Civil Disobedience*, *Moby Dick*, *Adventures of Huckleberry Finn*, *Great Expectations*, *Communist Manifesto*, *Fathers and Sons*,

Crime and Punishment, Origin of Species, Return of the Native, Ibsen's Plays, Rerum Novarum & Quadragesimo Anno.

Three class hours each week. Three credits.

303 WESTERN CULTURE OF THE 20TH CENTURY

Spring semester

Elective for juniors and seniors, this unit rounds out the survey of Western Man by the following twentieth century readings: *Portrait of the Artist as a Young Man, Freud: His Life & Work, Babbitt, The Sound & Fury and As I Lay Dying, Brave New World, Death of a Salesman, Darkness at Noon, Nineteen Eighty-Four, Revolt of the Masses, Only Yesterday, Lord of the Flies, The Human Use of Human Beings, Faith and Freedom.*

Three class hours each week. Three credits.

Lectures on history, music and art envelop the core of "Great Books" readings-discussions, as in preceding courses.

DEPARTMENT OF MATHEMATICS

The basic courses in Mathematics are designed to give an adequate foundation to students who intend to concentrate in Biology, Chemistry and Mathematics. The program of concentration in Mathematics has the objective of providing the student with a sufficient background of theory and practice so that he may be prepared to use mathematics as an end in itself (e.g., in teaching, research) or for the purpose of establishing a career in industry, statistical work, civil service, et cetera.

Required of Biology concentrators: Mathematics 101-3.

Required of Chemistry concentrators: Mathematics 105-7 and 201-3.

Required of Mathematics concentrators: 105-7, 201-3, 307, 309, 401-3, 410; Physics 105-7; and six hours of electives in the field of Mathematics. Concentrators are also advised, though not required, to take Physics 301-3.

101-103 ANALYTIC GEOMETRY AND CALCULUS I

Two semesters

(Designed for Biology concentrators)

Mathematical methods, inequalities, topics in analytic trigonometry, plane analytic geometry, derivatives and their application, integration and applications of the definite integral.

Prerequisites: Intermediate algebra and trigonometry; for second semester, successful completion of first semester.

Three class hours each week. Six credits.

105-107 ANALYTIC GEOMETRY AND CALCULUS I

Two semesters

(Designed for Mathematics and Chemistry concentrators)

Mathematical methods, inequalities, topics in analytic trigonometry, plane analytic geometry, derivatives and their application, integration and applications of the definite integral.

Prerequisites: Intermediate algebra and trigonometry; for second semester, successful completion of first semester.

Three class hours each week. Six credits.

201-203 ANALYTIC GEOMETRY AND CALCULUS II

Two semesters

Continuation of Math. 105-7. Transcendental functions, methods of integration, hyperbolic functions, polar coordinates, vectors and parametric equations, solid analytic geometry and vectors, partial differentiation, multiple integrals, infinite series.

Prerequisite: Mathematics 105-7.

Three class hours each week. Six credits.

301 ELEMENTARY PROBABILITY

Fall semester

Building upon a foundation of symbolic logic and set theory, this course considers such topics as probability measure, stochastic processes, law of large numbers, Binomial measures and the Poisson approximation, conditional probability and the Central Limit Theorem.

Three class hours each week. Three credits.

303 DIFFERENTIAL EQUATIONS

Fall semester

Meaning of differential equations, types, and applications of different equations of the first order, integral curves, trajectories, approximate solutions, linear differential equations with constant coefficients, and applications of linear differential equations of the second order.

Three class hours each week. Three credits.

305 NUMERICAL ANALYSIS

Spring semester

Topics include fundamentals of figure accuracy, finite differences, interpolation, LaGrangian formulas, differential and difference equations, least square methods.

Prerequisite: Mathematics 303.

Three class hours each week. Three credits.

Laboratory fee: \$14.00.

307 INTRODUCTION TO MODERN ALGEBRA

Spring semester

This course is designed for the undergraduate who has had two years of college mathematics, including calculus. It will introduce him to some of the simpler algebraic concepts so much a part of the mathematics of today. Number systems, groups, rings, and fields will be among the topics considered.

Three class hours each week. Three credits.

309 ELEMENTS OF LINEAR ALGEBRA

Fall semester

Vectors and vector space, matrices, determinants, linear transformations, convex sets, characteristic values.

Three class hours each week. Three credits.

311 INTRODUCTION TO MATHEMATICAL STATISTICS

Spring semester

This course concerns itself with the mathematics pertaining to such elements of statistical theory as random sampling, the Law of Large Numbers, estimation of parameters, central limit theorem, statistical decision theory, regressions and testing of hypotheses.

Prerequisite: Mathematics 301.

Three class hours each week. Three credits.

401-403 ADVANCED CALCULUS

Two semesters

A study of sequences and series, functions of a real variable, functions of several variables, vectors, the definite integral, improper integrals, line integrals, multiple integrals, and uniform convergence.

Three class hours each week. Six credits.

410 SENIOR SEMINAR IN MATHEMATICS

Two semesters

Through papers and discussions the students are guided to reevaluate their mathematical experience and deepen their understanding of what mathematics is, how it functions, what it accomplishes for the world and what it has to offer in itself. There is particular emphasis on the fields of topology and complex variable. Reserved for concentrators in mathematics.

Two meetings each week. Six credits.

DEPARTMENT OF MODERN LANGUAGES

It is generally recognized that a liberally educated man should have proficiency in a modern language other than his own. It is also becoming clear that the knowledge of at least one language other than English is a very practical tool in numerous civil and business careers.

Satisfactory completion of French 203-5, Spanish 203-5, German 203-5, Russian 203-5, or the equivalent by examination is required of all students who intend to concentrate in American Studies, Business, Economics, English, French, History, Philosophy, Political Science, or Sociology. Concentrators in Latin may substitute two years of Greek.

Two years of high school preparation in the language are expected for qualification in 103 or higher level courses. Elementary courses are offered for students who are not prepared for college level courses in modern language. Such courses, however, do not satisfy degree requirements.

The objectives of the basic courses may be stated as follows: (1) to develop skill in conversation and composition; (2) to develop as much as possible the ability to read a foreign language intelligently and with understanding; (3) to develop the student's general power of expression, of analysis, the scope of his native vocabulary; (4) to introduce him

through readings, lectures, et cetera to the cultural heritage of other nations; and (5) to establish a firm foundation for concentration in a foreign literature.

A program of concentration is offered only in French literature. The general aims of this program of concentration are to give a comprehensive and comparative view of the literature and culture of France, and to develop the skills of composition and conversation.

Required of concentrators, after satisfactory completion of French 203-5; French 207-9, 310, 410, and twelve additional credits. Concentrators are also advised to complete the basic courses of another language.

FRENCH

103-105 FIRST YEAR COLLEGE FRENCH I & II *Two semesters*

A course designed to develop proficiency in French conversation, reading and grammar.

Two laboratory and three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE FRENCH I & II *Two semesters*

Advanced conversation and reading. Essentials of French civilization.

One laboratory and two class hours each week. Six credits.

207-209 SURVEY OF FRENCH LITERATURE I & II *Two semesters*

This course, conducted in French, surveys the field of French literature. It is required of concentrators, but may be elected by any student who has prerequisite: ability to understand.

Three class hours each week. Six credits.

301 FRENCH TRAGEDY OF THE SEVENTEENTH CENTURY *Fall semester*

Lectures in French on the historical and literary background of the *Siècle classique*. Selected plays of Corneille and Racine will be read in class.

Three class hours each week. Three credits.

303 FRENCH COMEDY OF THE SEVENTEENTH CENTURY *Spring semester*

Lectures in French on the historical and literary background of the *Siècle classique*. Selected plays of Molière will be read in class.

Three class hours each week. Three credits.

310 DIRECTED READINGS IN FRENCH LITERATURE I & II *Two semesters*

The reading list in this junior seminar concentrates on the historical and literary backgrounds of *Siècle philosophique*, eighteenth century "isms" and selected readings from Voltaire and Rousseau.

Two meetings each week. Six credits.

317-319 MODERN WORLD DRAMA

Two semesters

This course, described under English 319-21, may be taken for credit by concentrators in French.

Three class hours each week. Six credits.

401-403 FRENCH POETRY AND PROSE OF THE 19TH CENTURY

Two semesters

Lectures in French on the historical and literary background of French romanticism, nineteenth century "isms" as seen through selected novels and poetry of Victor Hugo.

Three class hours each week. Six credits.

410 TWENTIETH CENTURY FRENCH SEMINAR

Two semesters

This course correlates the literary genres of the contemporary scene. Directed readings in the novel, theater and poetry of today.

Two meetings each week. Six credits.

GERMAN

103-105 FIRST YEAR COLLEGE GERMAN I & II

Two semesters

A course designed to develop proficiency in German grammar and conversation.

Two laboratory and three class hours each week. Six credits.

107-109 SCIENTIFIC GERMAN

Two semesters

Offered for concentrators in Chemistry, Biology or Mathematics. High school German is not a prerequisite.

Three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE GERMAN I & II

Two semesters

Advanced conversation and reading. Essentials of German civilization.

Three class hours each week. Six credits.

301-303 INTRODUCTION TO GERMAN LITERATURE

Two semesters

Reading of selected works, drama, poetry and the short story. Designed to increase reading facility and to acquaint students with typical German literary forms. Reading in Keller, Mann, Rilke, Kafka, Duerrenmatt, Brecht, and others.

Three class hours each week. Six credits.

Prerequisite: two years of college German or equivalent.

RUSSIAN

103-105 FIRST YEAR COLLEGE RUSSIAN I & II

Two semesters

A course designed to develop proficiency in Russian conversation, reading and grammar.

Two laboratory and three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE RUSSIAN I & II

Two semesters

A course designed to develop proficiency in Russian conversation and reading. It incorporates the study of Russian civilization and contributions to world civilization.

Three class hours each week. Six credits.

SPANISH

103-105 FIRST YEAR COLLEGE SPANISH I & II

Two semesters

A course designed to develop proficiency in Spanish conversation, reading and grammar.

Two laboratory and three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE SPANISH I & II

Two semesters

Advanced conversation and reading. Essentials of Spanish civilization.

One laboratory and two class hours each week. Six credits.

DEPARTMENT OF PHILOSOPHY

Every course of study we pursue and every action of our lives presupposes that we understand something of the meaning and purpose of life and our place in it. But is there a meaning to life and can we understand it? Can we ever understand the world and can we ever be sure of what we understand? To be truly human and free, each person must learn to seek out the answers to "why" things are as they are and why he should act as he does. All other sciences and arts depend on the answers to these questions. For over two millenia philosophers have been leaders in the search for answers to these questions. Their ideas are at the roots of the great social, economic, political and educational movements of our time.

All students at St. Michael's are required to take two years of Philosophy to enable them to come to grips with these basic questions and to see how the great thinkers of past and present have handled them and changed the course of history. The first year course serves to introduce the student to the meaning of philosophy itself and the second year considers its particular methodology.

For those who wish to concentrate, there are certain courses required and others that can be chosen as electives. Much of this work includes individual research and study.

This philosophy is seen in a Christian context and so it seriously concerns itself with our Christian Faith and theology, as well as the implications of both for man's understanding of reality and himself. It is a serious and fundamental activity, at the center of Catholic life itself, as we must live it in our time and place.

Required of all students: Philosophy 101-3 and 201-3.

Required of concentrators: 101-3, 201-3, 310, 401-3, 410, and two other advanced semester courses offered by the department.

Some courses are listed to take care of the special needs of St. Edmund's Seminary, which is affiliated with St. Michael's College.

101-103 INTRODUCTION TO PHILOSOPHY

Two semesters

This introduction leads the student along the path to philosophical knowledge by revealing the different objects and raising the basic problems while bringing him face to face with some of the content of philosophy itself. The approach is descriptive and historical.

Three class hours each week. Six credits.

201-203 PHILOSOPHY AND THE SCIENCES

Two semesters

A philosophical investigation into the claim that philosophy is a science and the impact of this conclusion on all other sciences: theological, mathematical, empirical, and social.

Three class hours each week. Six credits.

307 PHILOSOPHY OF SOCIETY

Spring semester

This course is concerned with a philosophical consideration of man in society according to the Christian Humanism of St. Thomas Aquinas.

Three class hours each week. Three credits.

309 PHILOSOPHY OF EDUCATION

Spring semester

This course considers the basic principles, the nature and ends of education and emphasizes the respective roles of the intellectual and moral virtues in the teaching and learning situation as well as the function of education in society.

Three class hours each week. Three credits.

310 DIRECTED READING IN PHILOSOPHY

Two semesters

Group discussions of selected readings from ancient, medieval and modern authors place the student in contact with the best thought and fundamental problems of philosophy and lead him to develop the philosophical habitus.

Two meetings each week. Six credits.

Not offered in 1968-69.

311 LOGIC

Fall semester

This course involves a study of the basic elements of classical and contemporary logic. It approaches logic as the art of correct thinking.

Three class hours each week. Three credits.

Not offered in 1968-69.

313-315 HISTORY OF MEDIEVAL AND EARLY MODERN PHILOSOPHY *Two semesters*

Medieval Philosophy considers the major figures and problems in Christian, Arabian, and Jewish philosophy from the time of St. Augustine to that of Nicolas of Cusa.

Early Modern Philosophy continues this development through Renaissance, Reformation and Post-Reformation thinkers down to and including such notable philosophers as Descartes, Spinoza, Locke and Hume.

Three class hours each week. Six credits.

317 PHILOSOPHY OF MAN *Spring semester*

Psychology is treated from the philosophical standpoint which takes account of experimental data but is not necessarily restricted to it. It considers the nature of life in general and vegetative, animal and intellectual life in particular. It includes within its scope human cognition, appetite, the spirituality and immortality of the human soul and the freedom of the human will.

*Three class hours each week. Three credits.
Not offered in 1968-69.*

401-403 ELEMENTS OF CHRISTIAN METAPHYSICS *Two semesters*

Treatment of selected problems in metaphysics, the science of being as being, including the problem of causality, immortality of man, the nature and kinds of human knowledge, human freedom and the foundations of ethics and human society.

Three class hours each week. Six credits.

405 HISTORY OF PHILOSOPHY IN AMERICA *Fall semester*

This course deals with the contributions of American philosophers, emphasizing the individuals and movements of the nineteenth and twentieth centuries.

Three class hours each week. Three credits.

407-409 HISTORY OF LATE MODERN AND CONTEMPORARY PHILOSOPHY *Two semesters*

Late Modern Philosophy considers the major figures and problems of European philosophy from Kant to Friedrich Nietzsche and Henri Bergson.

Contemporary Philosophy considers the main currents and outstanding figures of Western philosophy in the 20th century to our own day.

Three class hours each week. Six credits.

410 COORDINATING SEMINAR IN PHILOSOPHY *Two semesters*

The coordinating seminar considers problems in philosophy which have a bearing on other sciences and continues the work in Philosophy 310. Reserved for concentrators.

Two meetings each week. Six credits.

413 ETHICS

Spring semester

This course considers the pursuit of the Good and the morality of human actions by which the Good is attained.

Three class hours each week. Three credits.

417 PHILOSOPHY OF LAW

Fall semester

An introduction to the reasons behind the meaning of law and the various forms of law: civil, natural and divine. It is concerned with the problems of the evolution of law, when laws are legitimate, and what is the relationship between morality and law.

Three class hours each week. Three credits.

Not offered in 1968-69.

PSYCHOLOGY

303 GENERAL PSYCHOLOGY

Fall semester

An introduction to the field of psychology. Emphasis is placed on normal behavior.

Three class hours each week. Three credits.

305 COMPARATIVE PSYCHOLOGY

Spring semester

An introduction to the variety of systems of psychological investigation.

Three class hours each week. Three credits.

401 PSYCHOLOGY OF ADJUSTMENT

Fall semester

This course is a psychological study of the adjustment process. It includes theory and practice: concepts of adjustment psychology, causes and effects of frustration; defense, aggressive and escape reactions; academic, vocational and marital adjustment; basic principles of mental hygiene.

Three class hours each week. Three credits.

403 ABNORMAL PSYCHOLOGY

Spring semester

A study of the causes and dynamics of the major neuroses and psychoses.

Psychology 401 is prerequisite to this course.

Three class hours each week. Three credits.

PHYSICAL SCIENCE FOR NON-SCIENCE CONCENTRATORS

All students are required to take at least one course in a physical science. Students who are not concentrating in science or mathematics will generally follow Science 201-3, "Basic Concepts of Science," although a specific course in biology, chemistry, or physics may be substituted with the approval of the department concerned.

Science 201-3 is an introduction to the development of some basic concepts of physics, chemistry and biology by means of formal lectures, seminars and a laboratory experience. Members of the staffs of all three science departments cooperate in the presentation of this course.

201-203 BASIC CONCEPTS OF SCIENCE

Two semesters

An introduction to the development of basic concepts of physics, chemistry and biology. Required of all students in non-science, non-mathematics concentrations unless another specific course in science is substituted with approval of the department concerned.

Three class hours each week. Six credits.

DEPARTMENT OF PHYSICS

The Department of Physics offers two courses in general physics, a course in atomic physics and a course in electricity and magnetism to meet the needs of students who concentrate in the sciences and mathematics. Facility in handling mathematics is required for success in physics. A previous course in high school physics is recommended but not required.

101-103 GENERAL PHYSICS

Two semesters

This is an introductory course in college physics. It includes in its topics the general areas of mechanics, heat, sound, magnetism, electricity, atomic and nuclear physics, and light.

Co-requisite: Mathematics 101-103. Pre-requisite for 103: successful completion of 101.

Three lectures and one laboratory each week. Eight credits.

Laboratory fee: \$12.00 each semester.

105-107 GENERAL PHYSICS

Two semesters

This course differs from the above in that it is geared to the needs of the students who concentrate in chemistry and mathematics.

Co-requisite: Mathematics 105-7. Pre-requisite for 107: successful completion of 105.

Three lectures and one laboratory each week. Eight credits.

Laboratory fee: \$12.00 each semester.

201 MECHANICS

Fall semester

This course presents the elements of particle mechanics including central forces, harmonic oscillators, rigid body motion and an introduction to relativity.

Prerequisite: Physics 101-3 or 105-7. Co-requisite: Mathematics 201-3.

Three lectures each week. Three credits.

203 WAVES AND OSCILLATIONS

Spring semester

This course presents a development of wave theory including applications.

Prerequisite: Physics 201. Co-requisite: Mathematics 201-3.

Three lectures each week. Three credits.

301-303 INTRODUCTION TO MODERN PHYSICS

Two semesters

A study of the recent developments in the field of physics. It includes some of the concepts of Special Relativity and Quantum Mechanics and applies these concepts as well as the Classical concepts to atomic, molecular and crystal structure.

Prerequisites: Physics 105-7; Mathematics 201-3.

Three lectures and one laboratory each week. Eight credits.

Laboratory fee: \$12.00 each semester.

305-307 ELECTRICITY AND MAGNETISM

Two semesters

A study of electrostatic, magnetic and electromagnetic fields; their effects in different media; A.C. and D.C. circuits, electron properties and characteristics. The laboratory will consist of experiments which will allow the student to become familiar with modern techniques of measurements in the field.

Prerequisites: Mathematics 201-3; Physics 105-7.

Three lectures and one laboratory each week. Eight credits.

Laboratory fee: \$12.00 each semester.

DEPARTMENT OF POLITICAL SCIENCE

The study of government has as its chief objective the preparation of college men for active life as citizens in a democracy, whether as public servants, elected officials, or enlightened voters. This goal requires a thorough grounding in the liberal arts, but in addition it requires the development of critical judgment and analytical skills over a wide range of public policies, political theories, and governmental processes. Unlike any other form of government, democracy asks both civic virtue and civic intelligence of its citizens. The role played by the study of government in a Catholic liberal arts college is to form the civic intelligence without which civic virtue would be inoperable or incompetent.

Students who concentrate in political science may use their training for entrance into public service, business, teaching, law and many other fields. The increasing commitments of the United States abroad have made studies in international affairs an entrance into foreign service and overseas agencies, both public and private. The concentration in political science at St. Michael's College will prepare students for graduate studies in the same or related fields in most graduate schools in the country.

Note: If students are planning careers in overseas agencies, they are advised to be thoroughly trained in one or more modern languages: French, Russian, German or Spanish.

Required for concentrators: Political Science 201-3, 310, 410, and at least four semester electives in the department.

The following courses are open to all students beyond the freshman year, except where reserved for Political Science concentrators.

201 INTRODUCTION TO AMERICAN GOVERNMENT I

Fall semester

A basic course dealing with the history and nature of the American constitutional system with a consideration of the underlying principles of democracy, political parties and separation of powers.

Three class hours each week. Three credits.

203 INTRODUCTION TO AMERICAN GOVERNMENT II

Spring Semester

A continuation of the basic course with emphasis on the relation between government and economy, United States foreign policy, state and local government.

Three class hours each week. Three credits.

301 PUBLIC ADMINISTRATION

Fall semester

An introduction to the organization, management, and administration of public agencies on the local, state and national levels. Special emphasis on the problems of national, state and local administration of government, machinery of administration, civil service, personnel and management.

Three class hours each week. Three credits.

Not offered in 1968-69

303 POLITICAL PARTIES AND PRESSURE GROUPS

Fall semester

A study of the policy-making process in American government; of public opinion, political parties, and pressure groups as agencies of policy formation.

Three class hours each week. Three credits.

307 LABOR HISTORY AND LABOR LAW

Spring semester

A brief study of labor history, law, and current labor policies and problems.

Three class hours each week. Three credits.

310 DIRECTED READING: CONSTITUTIONAL HISTORY AND LAW

Two semesters

Selected decisions of the Supreme Court and their impact on the basic principles of our system of government. Special emphasis is given to economic, social, and political problems.

Three class hours each week. Six credits.

311 LATIN AMERICAN GOVERNMENT AND POLITICS

Spring semester

A survey of the development and operation of Latin American governmental principles.

Three class hours each week. Three credits.

313 THE AMERICAN PRESIDENCY

Spring semester

An advanced course designed to acquaint the student with the duties and responsibilities of the office of the American chief executive and also to introduce the student to the several interpretations put upon the office of the presidency.

Three class hours each week. Three credits.

Not offered in 1968-69.

315 AMERICAN FOREIGN POLICY

Fall semester

A critical introduction to the nature, content, motivations, objectives, principles, practices and institutional framework of American foreign policy.

Three class hours each week. Three credits.

401 POLITICAL GEOGRAPHY

Fall semester

An examination of the physical, economic, and cultural forces which influence the distribution of power among nation states.

Three class hours each week. Three credits.

403 COMPARATIVE GOVERNMENT

Spring semester

An introduction to the constitutions and internal politics of leading foreign states.

Three class hours each week. Three credits.

405 GOVERNMENT AND POLITICS IN THE FAR EAST

Spring semester

A survey of the development of governmental institutions and political processes of the Far East in modern times. Special emphasis will be placed on China and Japan.

Three class hours each week. Three credits.

407 GOVERNMENT AND POLITICS IN EAST CENTRAL EUROPE

Fall semester

A survey of the development of governmental institutions and processes in East Central Europe in modern times. Special consideration will be given to the social, economic and cultural factors influencing this development.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR: POLITICAL THEORY

Two semesters

This course is designed to integrate, by means of political theory, the previous work of the student in his study of government. Ancient, medieval and modern theorists are studied, as well as contemporary writers, in order to develop a systematic understanding of political science and its relation to other disciplines.

Two meetings each week. Six credits.

411 WORLD POLITICS

Fall semester

A study of underlying forces in world affairs in terms of conflict and cooperation among states.

Three class hours each week. Three credits.

413 WORLD ORDER

Spring semester

An examination of legal and organizational principles of international relations.

Three class hours each week. Three credits.

DEPARTMENT OF SOCIOLOGY

The discipline of sociology attempts to provide such knowledge of social phenomena as can be obtained by the use of empirical methods. While it is hardly the only means of approaching an understanding of these matters, the analytical perspective of sociology does provide insights into the nature of the distribution of power and wealth, the sources of group conflict and social turmoil, the bases of social cohesion, and the factors contributing to social change, among other subjects.

It is not the goal of sociology, as an undergraduate discipline, to prepare students for a specific occupation. In keeping with the liberal arts tradition it aims to provide an awareness of the complexity of social life, a tolerance of diversity, and an impatience with complacency. It does provide an analytical perspective that is useful in any of the careers which are usually entered by graduates of liberal arts colleges. It is also suitable preparation for graduate work in sociology and related fields.

Required of concentrators: 201, 203, 310, 410, and twelve additional semester hours, six of which may consist, with the consent of the departmental chairman, of related courses in other departments.

201 INTRODUCTORY SOCIOLOGY

Fall semester

This course is designed to introduce the student to sociological analysis. It will include an examination of population, social stratification, community organization, economic, political and religious institutions.

Three class hours each week. Three credits.

203 RESEARCH METHODS

Spring semester

The purpose of this course is to give the student an awareness of the techniques that are used to gather the data on which sociological generalizations rest.

This course is intended primarily for concentrators, but it is not reserved for concentrators.

Three class hours each week. Three credits.

301 SOCIOLOGICAL THEORIES

Fall semester

This course will survey the major theoretical approaches in sociology.

Three class hours each week. Three credits.

303 THE FAMILY

Spring semester

The family as a social institution; its internal organization and function in the past and in the present; special emphasis on problems affecting the American family.

Three class hours each week. Three credits.

305 POPULATION ANALYSIS

Spring semester

This course will be concerned with population size, distribution, and composition, and the relationships between these factors and economic and political conditions. Particular attention will be paid to "underdeveloped" areas of the world.

Three class hours each week. Three credits.

310 DIRECTED READING IN SOCIOLOGY

Two semesters

The objective of this course is to help the concentrator to become acquainted with the leading books and the recognized authorities in the field of sociology. Reserved for concentrators.

Two meetings each week. Six credits.

403 CRIMINOLOGY

Fall semester

A consideration of the approaches to the understanding of criminal behavior and the accompanying philosophies of punishment. Some stress is placed on the study of juvenile delinquency.

Three class hours each week. Three credits.

405 SOCIAL PSYCHOLOGY

Spring semester

An investigation of the interplay between individual and social stimuli. This is a consideration of the extent to which the interaction between the individual and the social forces affects behavior.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN SOCIOLOGY

Two semesters

An intensive study of current research focusing on the problems presently being reviewed and studied by major writers, researchers and theorists of the day. An approach which schools the student in applying the scientific method of thought and bringing to bear the results of his learning to date in Sociology.

Prerequisites: Sociology 201, 203 and 310.

Two meetings each week. Six credits.

DEPARTMENT OF THEOLOGY

The purpose of Theology in the college is to lead the student to an ever deeper appreciation of the Christian Revelation and its relevance to the momentous problems facing mankind today.

This purpose is achieved in the Theology courses mainly through:

1. as thorough as possible a study of the Hebrew and Christian scriptures;
2. an intensive study of the major documents of the Second Vatican Council;
3. familiarizing the student with the great religious thinkers of the past and present.

Courses are frequently conducted in seminar-type classes with small groups of students. The required courses (Theology 301-3 and 401-3) are generally taught in the junior and senior years since a background in humanities, behavioral sciences, philosophy, history and the natural sciences is advantageous to an adequate study of Theology at the college level.

Theology 301-3 and 401-3 are required of all students.

301-303 SACRED SCRIPTURE

Two semesters

This course is a survey of the Old Testament based on selected readings and a study of the New Testament in the light of the Gospels. The account of St. Matthew is given particular emphasis.

Three class hours each week. Six credits.

401-403 THE CHURCH IN THE MODERN WORLD

Two semesters

An investigation of the major documents of the Second Vatican Council on the Church and the Church's mission today. Students are required to read the works of religious and secular authors which lead to a greater understanding of man's problems and the Christian's response to them.

Three class hours each week. Six credits.

410 COMPARATIVE MORAL THEOLOGY

Two semesters

An analysis of the major ethical trends and theories in theological writings today. Representatives of various religious persuasions will be invited to discuss their views with the students.

Two meetings each week. Six credits.

Expenses, Scholarships, Student Aid

GENERAL FEES

ALL FULL-TIME STUDENTS pay a tuition fee of \$750 each semester and a library fee of \$25 each semester. The student is entitled to use all the facilities of the library, the infirmary, the gymnasium and the athletic equipment. He is admitted free to college or student sponsored lectures and entertainments, as well as athletic contests at St. Michael's College. He is entitled to membership in the various clubs, to a copy of *The Michaelman*, *The Quest*, and *The Shield*. Funds will be provided by the College for the operation of the Student Forum. No other fees are charged for any of the above throughout the year.

Part-time students (students registering for fewer than nine credit hours in a semester) are charged tuition on a per-credit-hour basis and are subject to registration, laboratory and other applicable fees.

Boarding students must pay a residence fee of \$500 each semester. This entitles them to board and room on the campus. No part of this fee is remitted, unless a student withdraws from the College.

Day students may make special arrangements with the Treasurer to take their noon meals in the college dining hall.

All students are required to take an accident and health insurance policy provided on a group basis for the College. The cost of this policy is \$50 each year and is payable at the beginning of the first semester. Married students may request a waiver in writing if they already have a family policy.

SPECIAL FEES

An application fee of \$10 is charged to all those who submit an application. This fee is not refundable and must be paid before the application is processed.

A laboratory fee of \$12 or \$18 each semester is charged for each of the courses in laboratory science, as indicated in the listing of courses.

A laboratory fee of \$5 each semester is charged for Modern Language 103-5 and 203-5 courses.

A laboratory fee of \$14 is charged for the Mathematics 305 course.

A late registration fee of \$10 is charged to any student who fails to pre-register within the time allotted for this purpose in May or who fails

to report on the day of formal registration in September. Pre-registration does not apply to students not yet in attendance.

A fee of \$15 is charged for a change of concentration and of \$10 for a change of course after registration day (see page 28).

Extra courses carried for credit or as audit by upperclassmen are charged at the rate of \$17 per credit hour (see page 28).

Special students are charged at the rate of \$31 per credit hour (see page 27).

A graduation fee of \$30, charged to all seniors, covers the expenses of the diploma, the yearbook picture and the rental of a cap and gown for the year. This fee is payable even though a graduate does not attend the commencement exercises.

Books and supplies are sold for cash only, at the College Bookstore and average about \$85 a year.

The College offers laundry and dry cleaning service at moderate prices. Arrangements are to be made by the student with the laundry manager. A self-service laundromat is available on the campus.

FAMILY PLAN GROUP TUITION DISCOUNT

When two or more brothers are attending St. Michael's College at the same time, the first member of the family is charged full tuition, the second receives a \$300 per year deduction on tuition, the third receives a \$500 per year deduction on tuition.

This policy applies only when the brothers are simultaneously attending as undergraduates and making normal academic progress.

PAYMENT OF FEES

When a student is accepted for matriculation at St. Michael's College, he will be asked to make a guarantee deposit of \$50 within two weeks of receiving the notice of acceptance. This fee is not refundable, but will be applied to the student's semester accounts at the time of his registration.

All general fees are to be paid in full prior to the beginning of each semester upon receipt of a statement from the Treasurer's office. Money orders or bank drafts should be made payable to *Saint Michael's College* and sent, preferably by registered mail, directly to the Treasurer.

For those parents who prefer to pay their educational expenses in monthly installments, St. Michael's College has approved the two following commercial plans:

1. Education Funds, Inc.
2. The Tuition Plan, Inc.

Under these two programs, parents may spread one year's expense over eight to ten months. Two years' costs may be spread over twenty months and three years' costs over thirty months.

Parents of entering freshmen may cover their entire four years' expenses under one agreement providing forty, sixty, or seventy-two installments.

Detailed information concerning both plans is mailed to parents each summer.

Special fees may have to be paid by the student or his parents after registration, since many of them are determined only at registration.

With regard to the payment of fees the following regulations should be carefully noted:

1. No reduction in semester fees is made on account of the late entrance of a student.
2. Unless a student's accounts have been settled as indicated above, he will not be allowed to register in September or to continue in the second semester.
3. Any student whose accounts have not been settled in full before the beginning of semester or final examinations will not be allowed to take these examinations.
4. If a student leaves the College for any reason without having settled all his accounts, any request for transcripts, reports of grades, information concerning academic or disciplinary standing, et cetera, will not be honored by the College. Likewise, diplomas of graduating seniors will not be released until accounts have been fully settled.
5. No remission of fees will be made to students who are dismissed for disciplinary reasons or who withdraw unofficially.
6. Any scholarship awarded by the College, or over which the College exercises control, such as National Defense Loan funds, is credited to the student's account equally over both semesters. If a student is awarded \$400 for example, \$200 will go towards the payment of the first semester fees and \$200 towards the second semester fees.
7. Unless a student has already paid his accounts in full any money earned under the student aid program is credited to his account.

REMISSION OF FEES

The College fees are determined in large part on the basis of expected student enrollment. When a student is granted admission, therefore, it is expected that he will remain in session throughout the year. It is recognized, however, that unforeseen events, such as sickness or a call to military service, may make it necessary for a student to withdraw

prior to the end of a term. In such cases the College remits the tuition fee according to the following scale:

Withdrawal within two weeks of the opening date of any term	80%
Withdrawal between the second and third week after the opening date	60%
Withdrawal between the third and fourth week after the opening date	40%
Withdrawal between the fourth and fifth week after the opening date	20%
Withdrawal after the fifth week	0%

The residence fee is remitted as follows:

Withdrawal up to the end of the fourth week of a term	75%
Withdrawal between the fourth and the end of the eighth week of a term	50%
Withdrawal between the eighth and the end of the twelfth week of a term	20%
Withdrawal after the twelfth week	0%

FINANCIAL AID

Entering students who wish to apply for financial aid should first make application for admission and request a financial aid application from the office of the Director of Admissions. The financial aid form, properly executed, should be returned to the Director of Financial Aid.

Saint Michael's College participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists colleges, universities and other agencies in determining the student's need for financial assistance. Entering students seeking financial assistance are required to submit to the College Scholarship Service by March 1 a copy of the Parents' Confidential Statement (PCS) form designating St. Michael's College as one of the recipients. The PCS form may be obtained from a secondary school or the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540 or P.O. Box 1025, Berkeley, California 94704.

Registered undergraduate students should support their application for financial aid by filing the PCS with the Director of Financial Aid whose office will supply the necessary forms on request.

Since Financial Aid embraces scholarships, grants, loans, on-campus and off-campus part-time employment, the following pages provide a listing of some sources from which funds are available. In many cases two or more sources may be combined to meet individual need.

SCHOLARSHIPS

Freshman honor scholarships, with stipends ranging from \$200 to \$1,000 are given each year by St. Michael's College to applicants who have achieved a high score on the College Entrance Board Scholastic

Aptitude Test and who rank among the highest 15 percent of their graduating class.

Upper-class Honor Scholarships are based upon maintenance of high scholarship and demonstrated need. The award may range from \$200 to \$500.

Endowed Scholarships—Fourteen scholarships of varying amounts are awarded to students who meet the specific requirements of their deeds of gift:

PROVOST SCHOLARSHIP

THE REVEREND C. E. PROVOST SCHOLARSHIP is awarded to a deserving student of the Sacred Heart Parish of Bennington, Vermont. This scholarship, founded in 1918, provides income on \$5,000.

PROULX SCHOLARSHIP

THE REVEREND NORBERT PROULX SCHOLARSHIP is awarded to a deserving student of St. Joseph Parish of Burlington, Vermont, or of Immaculate Heart of Mary Parish of Rutland, Vermont, or of Sacred Heart of Jesus Parish of West Rutland, Vermont, or of Our Lady Star of the Sea Parish of Newport, Vermont. This scholarship, founded in 1922, provides income on \$5,000.

AUDET SCHOLARSHIPS

Two scholarships have been established by the Reverend J. F. Audet. The first, founded in 1906, provides income on \$500 and is awarded to a needy candidate of St. Francis Parish of Winooski, Vermont. The second, founded in 1917, provides income on \$2,500 and is awarded to one or more deserving students of St. Francis Parish of Winooski, Vermont.

CROWN AND SWORD SCHOLARSHIP

Crown and Sword, the undergraduate honorary service society, has established a special \$500 scholarship to be awarded annually to an entering Vermont student of outstanding personal and scholastic promise. The award is not renewable beyond the freshman year. The Admissions and Financial Aid departments will designate the candidate from among those applicants for freshman honor scholarships.

FORESTERS SCHOLARSHIP

THE CATHOLIC ORDER OF FORESTERS SCHOLARSHIP is awarded to a student of Vermont, preferably a Forester's son, who is a candidate for the priesthood. This scholarship, founded in 1914 by the State Court,

Catholic Order of Foresters, is good for two years at St. Michael's College and provides a stipend of \$300 per year. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

KNIGHTS OF COLUMBUS SCHOLARSHIP

THE KNIGHTS OF COLUMBUS SCHOLARSHIP is awarded to a young man who feels called to the priesthood. This scholarship was founded in 1929 and is provided by the Vermont State Council. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

BURKE SCHOLARSHIP

The Thomas J. and Marie W. Burke Scholarship Fund is awarded every year, first, to an American Negro who qualifies, or, for lack of such a candidate, to any student of promise who would not otherwise be able to benefit from a college education. This scholarship, founded in 1962, provides income on \$22,000.

KINSELLA SCHOLARSHIP

THE KINSELLA MEMORIAL SCHOLARSHIP is awarded to a student from St. Peter Parish of Rutland, Vermont, who wishes to prepare for the priesthood. This scholarship, founded in 1935, provides income on \$2,000.

DAUGHTERS OF ISABELLA SCHOLARSHIP

THE DAUGHTERS OF ISABELLA SCHOLARSHIP provides a stipend of \$250. It is awarded each year to a deserving and needy student from Vermont.

SHANNON SCHOLARSHIP

THE RIGHT REVEREND JAMES D. SHANNON SCHOLARSHIP is awarded to freshman and sophomore students studying for the priesthood, who are members of the following Vermont parishes: St. John Baptist of Enosburg Falls; St. Patrick of Fairfield; St. Thomas of Underhill Center; St. Mary of Middlebury; St. Charles of Bellows Falls; St. Francis de Sales of Bennington. Preference is given in the order of the parishes named. The pastors of the above named parishes must recommend the beneficiaries of this scholarship. The selection of the candidate rests in the first instance with the Bishop of Burlington. If the Bishop makes no selection, the Committee on Scholarships chooses the candidate. This scholarship, founded in 1936, provides income on \$6,500.

THE DERWAY SCHOLARSHIP

THE MARY R. DERWAY SCHOLARSHIP FUND is used as a tuition scholarship or scholarships for progressive students, who are otherwise financially unable to attend college. Preference is given to young men aspiring to the priesthood, who, in the judgment of the Committee on Scholarships, are considered most worthy of such assistance. This scholarship, founded in 1952, provides income on \$15,000.

CAIN MEMORIAL SCHOLARSHIP

The Monsignor W. J. Cain and Paul Cain Memorial Scholarship is awarded to a needy student resident of the State of Vermont. It provides income on \$4,500. The applicant should contact the committee on scholarships and student aid.

AFROTC FINANCIAL ASSISTANCE PROGRAM

Established under Public Law 88-647 in 1964, this program awards scholarships to selected students each year. All members of the four-year AFROTC curriculum are eligible. The scholarship includes full tuition, books, fees, supplies, equipment, and subsistence pay of \$50 per month. Recipients are normally selected during their sophomore year, based on scholastic average, leadership potential and motivation towards an Air Force career.

SAINT MICHAEL'S GRANTS-IN-AID

Grants may be made in unusual circumstances upon action of the faculty committee.

STATE SCHOLARSHIPS—GRANTS-IN-AID

Students are encouraged to apply and are supported in their applications for such scholarships and grants as may be offered by their home states.

THE VERMONT PROGRAM

HONOR SCHOLARSHIPS—100 awards of \$100 each are annually made to secondary school students demonstrating unusual scholastic promise, based on SAT scores, class standing, and principal's recommendation.

INCENTIVE GRANTS—Awards of \$200, \$300 or \$400 based upon family ability to meet college costs. These grants may not be combined with other federal or state grants or scholarships except the Senatorial awards.

VERMONT HELP loans and Federal Guaranteed Insurance loans based upon need and family income, negotiated through local banks, savings and loan institutions and credit unions.

SENATORIAL SCHOLARSHIPS—Awards of \$100 to \$300, based upon need and scholastic competence.

Apply to the Vermont Students Assistance Corporation, your local Senator or the Financial Aid office for applications and descriptive brochure.

ECONOMIC OPPORTUNITY GRANTS

THE FEDERAL EOG PROGRAM under Title IV of U. S. Public Law 89-329 (Higher Education Act of 1965)—a limited number of federal grants ranging from \$200 to \$800 for very needy students of good scholastic promise, renewable for each year of undergraduate study, to be matched with loans, grants or scholarships, thus doubling the aid offered.

LOANS

NATIONAL DEFENSE STUDENT LOANS (NDSL)—under the National Defense Educational Act of 1958, as amended, an undergraduate may apply for up to \$1,000 per year and a graduate student up to \$1,500 per year. A student may borrow a maximum of \$7,500 over his entire educational experience.

STATE LOANS—through the facilities of the Higher Education Assistance Programs of the applicant's home state, usually negotiated through banks, savings and loan institutions or credit unions who have contracted with the state as lenders. Loan amounts are subject to state regulations, but are usually similar to NDSL. Certification of attendance and good standing rests with the college.

FEDERAL GUARANTEED INSURED LOANS—similar in nature to NDSL and State Loans. Again, negotiated through lenders on contract with state authorities or their agents.

UNITED STUDENT AID FUND—a private nonprofit foundation working through the banks or the Higher Education Assistance programs of a given state.

EDUCATIONAL FUNDS, INC.—a private financial institution specializing in tuition loans, incorporating complete insurance coverage on a monthly repayment schedule.

EMPLOYMENT

ON-CAMPUS WORK-STUDY PROGRAM (CWSP)—fifteen hours per week maximum at \$1.25 per hour is available to students who can qualify on the basis of need established by the U. S. Office of Education.

OFF-CAMPUS PART-TIME employment is available through the co-operation of many business institutions in the Burlington area at wages averaging \$1.25-\$2.50 per hour according to the job offered.



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Summer Session 1967	663
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Thesis: The Irish-American Influence on American Neutrality, 1914-1915

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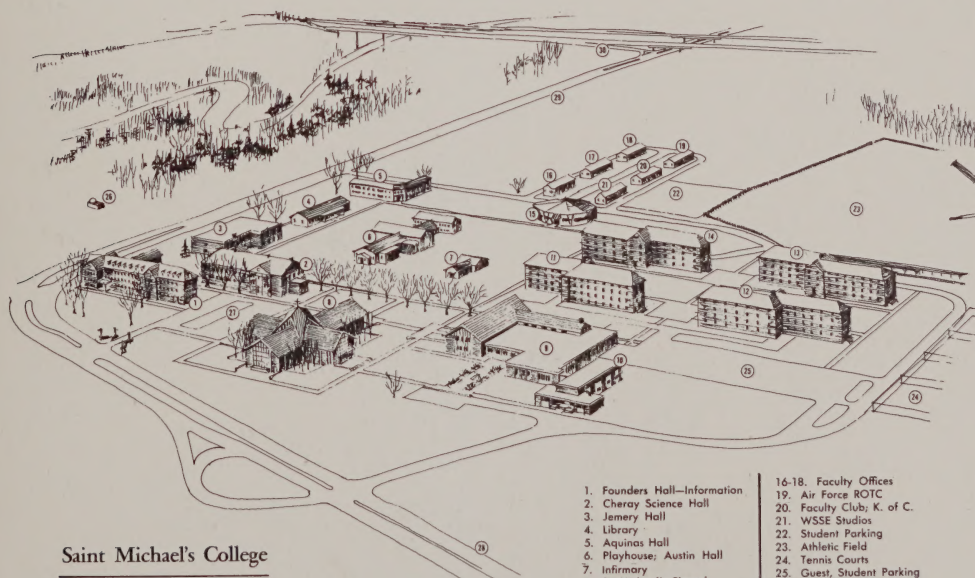
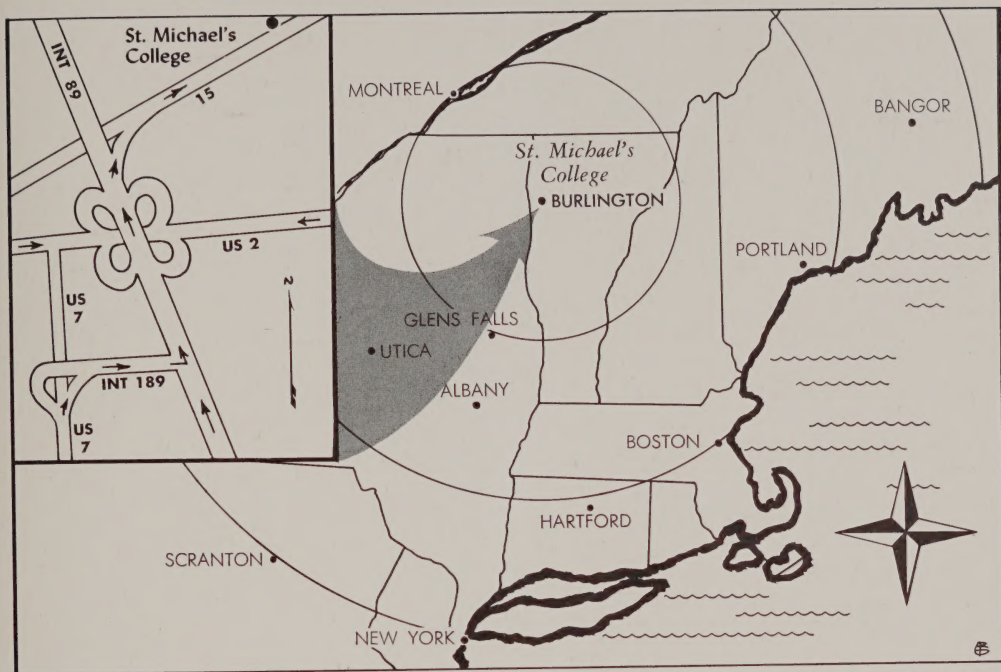
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